

## Editorial Board

### Chairman of the Board:

Dwight L. Wilbur, San Francisco

### Allergy:

Samuel H. Hurwitz, San Francisco  
Edmund L. Keeney, La Jolla

### Anesthesiology:

Charles F. McCuskey, Los Angeles  
William B. Neff, Redwood City

### Dermatology and Syphilology:

H. V. Allington, Oakland  
Paul D. Foster, Los Angeles

### Ear, Nose and Throat:

Lawrence K. Gundrum, Los Angeles  
Charles P. Lebo, San Francisco

### Eye:

Frederick C. Cordes, San Francisco  
A. R. Robbins, Los Angeles

### General Practice:

James E. Reeves, San Diego  
John G. Walsh, Sacramento

### General Surgery:

C. J. Baumgartner, Beverly Hills  
Victor Richards, San Francisco

### Industrial Medicine and Surgery:

Rutherford T. Johnstone, Los Angeles  
John E. Kirkpatrick, San Francisco

### Internal Medicine:

Edward W. Boland, Los Angeles  
W. E. Macpherson, Los Angeles  
O. C. Rallsback, Woodland  
Maurice Sokolow, San Francisco  
Edgar Wayburn, San Francisco

### Obstetrics and Gynecology:

Charles E. McLennan, Stanford  
Daniel G. Morton, Los Angeles

### Orthopedic Surgery:

Hugh Jones, Los Angeles  
Don E. King, San Francisco

### Pathology and Bacteriology:

Alvin J. Cox, Stanford  
Alvin G. Foord, Pasadena

### Pediatrics:

William G. Deamer, San Francisco  
E. Earl Moody, Los Angeles

### Pharmacology:

Hamilton H. Anderson, San Francisco  
Clinton H. Thienes, Los Angeles

### Plastic Surgery:

George W. Pierce, San Francisco  
George V. Webster, Pasadena

### Psychiatry and Neurology:

Karl M. Bowman, San Francisco  
John B. Doyle, Los Angeles

### Public Health:

Charles E. Smith, Berkeley  
George Uhl, Los Angeles

### Radiology:

John D. Camp, Los Angeles  
R. R. Newell, San Francisco

### Thoracic Surgery:

John C. Jones, Los Angeles  
H. Brodie Stephens, San Francisco

### Urology:

Lyle Craig, Pasadena  
Albert J. Scholl, Los Angeles

### Consultants in Biostatistics:

Frederick J. Moore, Los Angeles  
Jacob Yerushalmy, Berkeley

EDITOR . . . . . DWIGHT L. WILBUR

Assistant to the Editor, ROBERT F. EDWARDS

### Policy Committee—Editorial Board

OMER W. WHEELER . . . . . Riverside  
SAMUEL R. SHERMAN . . . . . San Francisco  
CARL E. ANDERSON . . . . . Santa Rosa  
JAMES C. DOYLE . . . . . Beverly Hills  
MATTHEW N. HOSMER (ex-officio) . . . . . San Francisco  
IVAN C. HERON . . . . . San Francisco  
DWIGHT L. WILBUR . . . . . San Francisco

**Advertisements**—CALIFORNIA MEDICINE is published on the seventh of each month. Advertising copy must be received not later than the tenth of the month preceding issue. Advertising rates will be sent on request. Acceptance of advertising is contingent upon approval by the Advertising Committee.

ADVERTISING MANAGER . . . . . MELVIN B. TYLER

Copyright, 1962, by the California Medical Association.  
Subscription prices, \$6 (\$7 for foreign countries); single copies 60 cents.

Volumes begin with the first of January and the first of July. Subscriptions may commence at any time.

**Change of Address**—Requests for change of address should give both the old and new address, and should be made by county secretaries or by the member concerned.

### Contributions of Scientific and Original Articles

**Responsibilities for Statements and Conclusions in Original Articles**—Authors are responsible for all statements, conclusions and methods of presenting their subjects. These may or may not be in harmony with the views of the editorial staff. It is aimed to permit authors to have as wide latitude as the general policy of the Journal and the demands on its space may permit. The right to reduce, revise or reject any manuscript is always reserved.

**Exclusive Publication**—Articles are accepted for publication on condition that they are contributed solely to this Journal. Ordinarily contributors will be notified within 60 days if a manuscript is accepted for publication. Every effort will be made to return unused manuscripts.

**Length of Articles**—Ordinarily articles should not exceed 3,000 words (approximately 3 printed pages). Under exceptional circumstances only will articles of over 4,000 words be published.

**Manuscripts**—Manuscripts should be typewritten, double spaced and the original and a carbon copy submitted.

**Illustrations**—Ordinarily publication of 2 or 3 illustrations accompanying an article will be paid for by CALIFORNIA MEDICINE. Any number beyond this will have to be paid for by the author.

**References**—Should conform to the following order: name of author, title of article, name of periodical, with volume, page, month, day of the month if weekly, and year—i.e.: Lee, G. S.: The heart rhythm following therapy with digitalis, Arch. Int. Med., 44:554, Dec. 1942. They should be listed in alphabetical order and numbered in sequence.

**Reprints**—Reprints must be paid for by the author at established standard rates.

### Contributions of "Letters to the Editor" and News and Notes

The Editorial Board will be glad to receive and consider for publication letters containing information of general interest to physicians throughout the State or presenting constructive criticisms on controversial issues of the day. Also News and Notes items regarding the affairs and activities of hospitals, individuals, communities and local medical societies and groups throughout the State.

"Entered as second class matter at the post office at San Francisco, under the Act of March 3, 1879." Acceptance for mailing at special rate of postage provided for in Section 1103, Act of October 3, 1917, authorized August 10, 1918.

# Officers OF THE CALIFORNIA

## General Officers

**President:** OMER W. WHEELER, 6876 Magnolia Avenue, Riverside, OVERland 3-8300.

**President-Elect:** SAMUEL R. SHERMAN, 2255 Van Ness Avenue, San Francisco 9, PROspect 5-5835.

**Speaker of the House of Delegates:** JAMES C. DOYLE, 9730 Wilshire Boulevard, Beverly Hills, CResview 1-1812.

**Vice-Speaker of the House of Delegates:** IVAN C. HERON, 490 Post Street, San Francisco 2, SUTter 1-4720.

**Chairman of the Council:** CARL E. ANDERSON, 1150 Montgomery Drive, Santa Rosa, LIBerty 6-1922.

**Secretary:** MATTHEW N. HOSMER, 384 Post Street, San Francisco 8, SUTter 1-2008.

**Editor:** DWIGHT L. WILBUR, 655 Sutter Street, San Francisco 2, ORdway 3-4080.

**Executive Director:** HOWARD HASSARD, 111 Sutter Street, San Francisco 4, YUKon 2-8585.

**Executive Secretary:** JOHN HUNTON, 693 Sutter Street, San Francisco 2, PROspect 6-9400.

**General Counsel:** PEART, BARATY and HASSARD, 111 Sutter Street, San Francisco 4, YUKon 2-8585.

## District Councilors

**FIRST DISTRICT**—James C. MacLaggan (1964), 525 Hawthorne Street, San Diego 1. San Diego County. BELmont 3-6519.

**SECOND DISTRICT**—Llewellyn E. Wilson (1964), 558 So. Illinois, Anaheim. Imperial, Inyo, Mono, Orange, Riverside and San Bernardino Counties. KEYstone 5-4718.

**THIRD DISTRICT**—Los Angeles County—  
Office No. 1—Malcolm C. Todd (1965), 2865 Atlantic Avenue, Long Beach 6. GARfield 6-1355.

Office No. 2—William F. Quinn (1963), 1930 Wilshire Boulevard, Los Angeles 57. HUBbard 3-1750.

Office No. 3—J. Norman O'Neill (1964), 1930 Wilshire Boulevard, Los Angeles 57. HUBbard 3-7752.

Office No. 4—Lewis T. Bullock (1965), 3875 Wilshire Boulevard, Los Angeles 5, DUNKirk 2-2209.

Office No. 5—Joseph P. O'Connor (1963), 595 East Colorado Street, Pasadena. SYCAmore 2-2154.

Office No. 6—Franklin F. Ham (1964), 14556 Hamlin Street, Van Nuys, STATE 6-5711.

Office No. 7—Wilbur G. Rogers (1965), 1122 N. Brand Boulevard, Glendale. CITrus 1-3125.

**FOURTH DISTRICT**—James W. Dalton (1964), 2301 Castillo Street, Santa Barbara. San Luis Obispo, Santa Barbara and Ventura Counties. WOODland 5-6537.

**FIFTH DISTRICT**—John F. Murray (1963), 1274 N. Van Ness Avenue, Fresno. Calaveras, Fresno, Kern, Kings, Madera, Mariposa, Merced, San Joaquin, Stanislaus, Tulare and Tuolumne Counties. AMHerst 4-4661.

**SIXTH DISTRICT**—Monterey, San Benito, San Mateo, Santa Clara and Santa Cruz Counties—  
Office No. 1—Burt L. Davis (1964), 701 Channing Avenue, Palo Alto. DAVenport 2-0297.

Office No. 2—Albert G. Miller (1965), 77 San Mateo Drive, San Mateo. DIAMond 3-9074.

**SEVENTH DISTRICT**—San Francisco County—  
Office No. 1—Malcolm S. M. Watts (1963), 909 Hyde Street, San Francisco 9, PROspect 6-3838.

Office No. 2—Donald M. Campbell (1964), 977 Valencia Street, San Francisco 10. ATwater 2-4373.

**EIGHTH DISTRICT**—Alameda and Contra Costa Counties—  
Office No. 1—John G. Morrison (1963), 333 Estudillo Avenue, San Leandro. NEPTune 8-1332.

Office No. 2—William F. Kaiser (1964), 2860 Telegraph Avenue, Berkeley 5. THORnwall 3-6515.

**NINTH DISTRICT**—Carl E. Anderson (1964), 1150 Montgomery Drive, Santa Rosa. Del Norte, Humboldt, Lake, Marin, Mendocino, Napa, Solano and Sonoma Counties. LIBerty 6-1922.

**TENTH DISTRICT**—Dave F. Dozier (1965), 2631 K Street, Sacramento. Alpine, Amador, Butte, Colusa, El Dorado, Glenn, Lassen, Modoc, Nevada, Placer, Plumas, Sacramento, Shasta, Sierra, Siskiyou, Sutter, Tehama, Trinity, Yolo and Yuba Counties. GILbert 2-3611.

## COMMISSION ON Medical Services

Elmer Goel, Beverly Hills.....1963  
Herman Stone, Riverside.....1963  
Albert G. Miller, San Mateo (Secy.).....1964  
Homer C. Pheasant, Los Angeles.....1964  
Howell Wiggins, San Diego.....1964  
John F. Murray, Fresno (Chmn.).....1965  
William F. Quinn, Los Angeles.....1965  
John M. Rumsey, San Diego.....1965

## Committee on Fees

H. Dean Hoskins, Oakland.....1963  
Homer C. Pheasant, Los Angeles (Chmn.).....1963  
William H. Thompson, San Mateo.....1963  
Clifford B. Cherry, Los Angeles.....1964  
Robert L. Day, Bakersfield.....1964  
Samuel Gendel, Anaheim.....1964  
Roger C. Isenhour, San Diego.....1965  
Alfred J. Murrieta, Jr., Los Angeles.....1965  
Maurice S. Salomon, San Francisco.....1965

## Committee on Health Care of the Aged

Clarence H. Albaugh, Los Angeles.....1963  
DeWitt K. Burnham, San Francisco.....1963  
Richard L. Johnson, Sacramento.....1963  
Allan E. Voigt, Napa.....1963  
Angus C. McDonald, Huntington Park.....1964  
Pierre J. Salmon, San Mateo.....1964  
James C. MacLaggan, San Diego (Chmn.).....1965  
Charles E. Schoff, Jr., Sacramento.....1965

## Committee on Government Financed Medical Care

Donald H. Abbott, Riverside.....1963  
John G. Morrison, San Leandro.....1963  
William H. Todd, Long Beach.....1963  
Thomas N. Elmendorf, Willows.....1964  
William F. Quinn, Los Angeles.....1964  
John E. Vaughan, Bakersfield (Vice-Chmn.).....1964  
Clyde L. Boice, Palo Alto.....1965  
Dorothy P. Danno, San Francisco.....1965  
Fordyce Johnson, Pasadena.....1965  
John M. Rumsey, San Diego (Chmn.).....1965

## Committee on Rehabilitation

William H. Thomas, San Francisco.....1963  
Elizabeth Austin, Los Angeles.....1964  
Howell E. Wiggins, San Diego (Chmn.).....1965

## Committee on Mediation and Medical Care Insurance

Robert C. Combs, San Francisco.....1963  
Joseph W. Telford, San Diego.....1963  
Franklin F. Ham, Van Nuys.....1964  
Milo A. Youel, San Diego.....1964  
Leon O. Desimone, Los Angeles (Chmn.).....1965

## COMMISSION ON Public Agencies

Charles B. Hudson, Oakland.....1963  
Stuart C. Knox, Los Angeles (Secy.).....1963  
James C. MacLaggan, San Diego (Chmn.).....1963  
Robert McNeil, Los Angeles.....1964  
Wayne E. Pollock, Sacramento.....1964

## Committee on State Medical Services

James C. MacLaggan, San Diego (Chmn.).....1963  
Joseph P. O'Connor, Pasadena.....1963  
Edwin R. Schottstaedt, San Francisco.....1963  
James W. Dalton, Santa Barbara.....1964  
Stanley A. Skillicorn, San Jose.....1964  
Malcolm C. Todd, Long Beach  
(Vice-Chmn.).....1964  
William C. Hickey, Sacramento.....1965  
Francis M. Pottenger, Pasadena.....1965

**EX-OFFICIO:**  
Dwight M. Bissell, San Jose.....1963

## Committee on Mental Health

Woodrow W. Burgess, Sacramento.....1963  
Roberta F. Penlon, San Francisco.....1963  
Stuart C. Knox, Los Angeles (Chmn.).....1963  
Ira H. Degenhardt, San Rafael.....1964  
Rudolph B. Toller, Stockton.....1964  
Alfred Auerback, San Francisco.....1965  
James B. Hollingsworth, Fresno.....1965  
Jack B. Lomas, Beverly Hills.....1965

## Committee on Other Professions

Dante A. Gazzaniga, Los Angeles.....1963  
William F. Kaiser, Berkeley.....1963  
William D. Evans, Los Angeles.....1964  
Wayne E. Pollock, Sacramento (Chmn.).....1964  
Eugenia K. Hayes, San Rafael.....1965  
J. Philip Sampson, Santa Monica.....1965

## Committee on Veterans Affairs

Ben D. A. Miano, San Bernardino.....1963  
Milo A. Youel, San Diego.....1964  
Charles B. Hudson, Oakland (Chmn.).....1965

## Committee on Adoptions

Donald Minkler, Berkeley.....1963  
Walter Beckh, San Francisco.....1964  
Robert J. McNeil, Los Angeles (Chmn.).....1964  
Russell W. Mapes, Beverly Hills.....1965

## Committee on Dangerous Drugs

William F. Quinn, Los Angeles (Chmn.).....1963  
Helen B. Weyrauch, San Francisco.....1963  
Norman A. Gale, San Diego.....1964  
Edward R. Bloomquist, Glendale.....1965  
Edward T. Jewett, Santa Rosa.....1965

## COMMISSION ON Community Health Services

Carl E. Anderson, Santa Rosa.....1963  
Harold Kay, Oakland (Chmn.).....1963  
Maurice H. Jennison, Palo Alto.....1963  
Joseph F. Maguire, Ventura.....1963  
Robert W. Purvis, Modesto (Secy.).....1964  
Leopold J. Snyder, Fresno.....1964  
Justin J. Steirn, Los Angeles.....1964  
Packard Thurber, Jr., Los Angeles.....1965

## Committee on Rural Health

Francis N. Hatch, Modesto.....1963  
John R. Heckman, Marysville.....1963  
Robb Smith, Orange Cove.....1963  
James J. Benn, Jr., Ripon (Vice-Chmn.).....1964  
Anton J. Sambuck, Watsonville.....1964  
Carroll W. Goss, Lamont.....1965  
Leopold J. Snyder, Fresno (Chmn.).....1965

## Committee on School Health

Ruth A. Frary, Watsonville.....1963  
Maurice H. Jennison, Palo Alto (Chmn.).....1963  
T. V. Reese, Bakersfield.....1963  
B. Otis Cobb, Concord.....1964  
Gerald G. Jampolsky, San Rafael.....1964  
John Kenney, Santa Rosa.....1964  
William A. Leovy, La Mesa.....1965  
J. H. Nelson, Ojai.....1965

# MEDICAL ASSOCIATION



## Committee on Occupational Health

Carl E. Anderson, Santa Rosa.....	1963
Walter J. Gillogley, San Mateo.....	1963
Walter E. Kirkpatrick, San Francisco.....	1963
Herbert J. Kirchner, Los Angeles.....	1964
James D. Ryan, San Francisco.....	1964
Joseph F. Sadusk, Jr., Oakland.....	1964
Edward P. Luongo, Los Angeles.....	1965
Packard Thurber, Jr., Los Angeles (Chmn.).....	1965

## Committee on Disaster Medical Care

Harold Hill, San Francisco.....	1963
Frank F. Schade, Los Angeles.....	1963
Charles C. Henderson, San Mateo.....	1964
Justin J. Stein, Los Angeles (Chmn.).....	1964
Wayne P. Chesbro, Berkeley.....	1965
Robert Range, Sacramento.....	1965

## Committee on Traffic Safety

Thomas W. Lyons, La Mesa.....	1963
Joseph Maguire, Ventura (Chmn.).....	1963
Richard Clark, Napa.....	1964
B. G. Stewart, Bakersfield.....	1964
William S. Cappeller, San Francisco.....	1965
Arnold R. Frieson, Pasadena.....	1965
EX-OFFICIO:	
Irma West, Berkeley.....	

## Committee on Blood Banks

Joseph S. Hayhurst, Redlands.....	1963
Melvin L. Sommer, Beverly Hills.....	1963
John R. Upton, San Francisco.....	1963
Frederick G. Hollander, San Diego.....	1963
T. S. Kimball, Eureka.....	1963
J. J. Palmer, Pomona.....	1963
Edward Tueller, Burlingame.....	1963
Elmer R. Jennings, Long Beach.....	1963
James Moore, Ventura.....	1963
L. N. Oseil, Bakersfield.....	1963
Robert W. Purvis, Modesto (Chmn.).....	1963
Owen Thomas, Santa Rosa.....	1963

## Committee on Allied Health Agencies

Harold Kay, Oakland (Chmn.).....	1963
Thomas W. Ledwich, Napa.....	1963
Robert L. Smith, Jr., San Francisco.....	1964

## BUREAU ON

### Communications

Warren L. Bostick, San Rafael (Chmn.).....	1963
Elmer Goel, Beverly Hills.....	1963
John B. Schaupp, San Francisco.....	1963
Samuel R. Sherman, San Francisco.....	1963
Malcolm C. Todd, Long Beach (Secy.).....	1963
Omer W. Wheeler, Riverside.....	1963

#### CONSULTANTS:

John G. Fast, Riverside.....
Mr. Robert L. Wood, San Mateo.....
James Powell, Stockton.....

## COMMISSION ON

### Medical Education

Herbert W. Jenkins, Sacramento (Secy.).....	1963
James W. Ravenscroft, San Diego.....	1963
Paul D. Foster, Los Angeles.....	1964
Albert C. Daniels, San Francisco (Chmn.).....	1965

## Committee on Postgraduate Activities

Paul D. Foster, Los Angeles.....	1963
Herbert W. Jenkins, Sacramento.....	1963
Allen T. Hinman, San Francisco.....	1964
Chester G. Moore, Jr., Salinas.....	1964
Albert C. Daniels, San Francisco (Chmn.).....	1965

## Committee on Maternal and Child Care

Bramwell R. Anthony, San Luis Obispo.....	1963
Robert O. Holmes, Hillsborough.....	1963
L. N. R. Leonards, San Francisco.....	1963
James W. Ravenscroft, San Diego (Chmn.).....	1963
Nicholas W. Demas, Stockton.....	1964
Edmund W. Overstreet, San Francisco.....	1964
Harry F. Smith, San Bruno.....	1964
Ralph M. King, La Mesa.....	1965
Leon J. Shulman, Beverly Hills.....	1965

## Committee on Scientific Work

George C. Griffith, Los Angeles.....	1963
Donald W. Petit, Pasadena.....	1963
Paul D. Foster, Los Angeles.....	1964
Lowell A. Rantz, Palo Alto.....	1964
Albert C. Daniels, San Francisco (Chmn.).....	1965
Daniel G. Morton, Los Angeles.....	1965

#### EX-OFFICIO:

David B. Hinshaw, Los Angeles.....
Harney M. Cordua, Jr., San Diego.....

## COMMISSION ON

### Cancer

Sol R. Baker, Beverly Hills.....	1963
John W. Cline, San Francisco.....	1963
David A. Wood, San Francisco.....	1963
Burt L. Davis, Palo Alto (Chmn.).....	1964
Bert L. Halter, San Francisco.....	1964
Justin J. Stein, Los Angeles (Secy.).....	1964
James C. Doyle, Beverly Hills.....	1965

## Committee on Cancer Education

Paul H. Deeb, Loma Linda.....	1963
Byron Hall, San Francisco.....	1963
Werner Duemling, San Diego.....	1964
Robert W. Jamplis, Palo Alto.....	1964
Sol R. Baker, Beverly Hills (Chmn.).....	1965

## Committee on Tumor Tissue Registry

E. M. Butt, Los Angeles.....	1963
Lewis M. Guiss, Los Angeles.....	1963
James E. Kahler, Los Angeles.....	1964
Justin J. Stein, Los Angeles (Chmn.).....	1964
Carl M. McCandless, San Francisco.....	1965

## Committee on Consultative

### Tumor Boards

Victor Richards, San Francisco.....	1963
Bert L. Halter, San Francisco (Chmn.).....	1964
Otto Pfeuffer, San Francisco.....	1964
Jesshill Love, Santa Barbara.....	1965
Carl L. Moore, Bakersfield.....	1965

## Committee on New and Unproved

### Methods of Cancer Treatment

L. Henry Garland, San Francisco.....	1963
Ray Seavers, Jr., San Bernardino.....	1963
Dexter T. Ball, Santa Ana.....	1964
Jerome A. Weinbaum, Chico.....	1964
James C. Doyle, Beverly Hills (Chmn.).....	1965

#### CONSULTANT:

Kenneth F. Ernst.....
-----------------------

## COMMISSION ON

### Professional Welfare

George K. Herzog, Jr., San Francisco.....	1963
Arthur A. Kirchner, Los Angeles (Chmn.).....	1963
William Kaiser, Berkeley (Secy.).....	1964
Robert J. Prentiss, San Diego.....	1964
Leo J. Adelstein, Los Angeles.....	1965
Ivan C. Heron, San Francisco.....	1965

## Committee on Health and Accident Insurance

Homer C. Pheasant, Los Angeles.....	1963
Arthur A. Kirchner, Los Angeles.....	1964
John F. Merritt, Santa Barbara.....	1964
Robert J. Westcott, El Centro.....	1964
George K. Herzog, Jr., San Francisco (Chmn.).....	1965
T. W. Loring, Eureka.....	1965

## Medical Review and Advisory Board

Arthur A. Kirchner, Los Angeles.....	1963
Stanley Moore, San Diego.....	1963
Rees B. Rees, Jr., San Francisco.....	1963
Eugene Webb, San Francisco.....	1964
James Yant, Sacramento.....	1964
Leo J. Adelstein, Los Angeles (Chmn.).....	1965
Donald E. Ross, Los Angeles.....	1965

## Committee on Private Practice of Medicine By Medical School Faculty Members

Frank J. Novak, Menlo Park.....	1963
S. Rodman Irvine, Beverly Hills.....	1964
Walter E. Macpherson, Los Angeles.....	1964
Robert J. Prentiss, San Diego.....	1964
Herbert C. Moffitt, Jr., San Francisco.....	1965

## BUREAU OF

### Research and Planning

Franklin F. Ham, Van Nuys.....	1963
Gerald W. Shaw, Santa Monica (Chmn.).....	1963
John J. Sheehy, Riverside.....	1963
Eugene M. Webb, San Francisco.....	1963
Burt L. Davis, Palo Alto.....	1964
H. Russell Fisher, Los Angeles.....	1964
James R. Powell, Stockton (Secy.).....	1965
T. Eric Reynolds, Oakland.....	1965

#### EX-OFFICIO:

Omer W. Wheeler, Riverside.....
Samuel R. Sherman, San Francisco.....
Carl E. Anderson, Santa Rosa.....

## Judicial COMMISSION

Douglas Campbell, San Francisco (Vice-Chmn.).....	1963
W. Philip Corr, Riverside (Secy.).....	1963
L. E. Wilson, Anaheim.....	1963
Donald A. Charnock, Los Angeles (Chmn.).....	1964
Albert E. Long, San Francisco.....	1964
Arlo A. Morrison, Ventura.....	1964
Floyd O. Due, Oakland.....	1965
Sidney Shipman, San Francisco.....	1965
Francis E. West, San Diego.....	1965

## Finance COMMITTEE

Donald M. Campbell, San Francisco.....
James W. Dalton, Santa Barbara.....
Burt L. Davis, Palo Alto (Chmn.).....
John F. Murray, Fresno.....
J. Norman O'Neill, Los Angeles.....

## Special COMMITTEES

### Benevolence Fund Operating Committee

Clyde L. Boice, Palo Alto.....	1963
Ford P. Cady, Los Angeles (Chmn.).....	1963
Alexander Fraser, San Francisco.....	1963
Elizabeth Mason Hohl, Los Angeles.....	1963
Don C. M. Musser, San Francisco.....	1963
George Wolf, Fresno.....	1963

## Auxiliary Advisory Board

Omer W. Wheeler, Riverside.....
Samuel R. Sherman, San Francisco.....
Matthew N. Hosmer, San Francisco.....
E. Vincent Askey, Los Angeles.....
Warren L. Bostick, San Rafael.....

# Roster — CALIFORNIA COUNTY MEDICAL SOCIETIES

County society secretaries are requested to notify California Medicine promptly when changes are indicated in their roster information

**ALAMEDA-CONTRA COSTA Medical Assn.,** 6230 Claremont Ave., Oakland 18. Meets quarterly.  
Dan Tucker.....President  
6301 Bullard Dr., Oakland  
Carl Goetsch.....Secretary  
2915 Telegraph Ave., Berkeley

**BUTTE-GLENN Medical Society,** P. O. Box 1008, Chico. Meets Fourth Thursday.  
Charles S. McCulloch.....President  
101 West 2nd Ave., Chico  
Jay O. Gibson.....Secretary  
170 E. 2nd Ave., Chico

**FRESNO County Medical Society,** 2155 Amador, Fresno. Meets Second Tuesday, 6:30 p.m., Sunnyside Country Club.  
David R. Taylor.....President  
1237 "R" St., Fresno  
Harlan F. Fulmer.....Secretary  
530 W. Floradora Ave., Fresno

**HUMBOLDT-DEL NORTE County Medical Society.** Meets Second Thursday.  
Don J. Lowe.....President  
730 - 7th St., Eureka  
Robert L. Devine.....Secretary  
730 - 7th St., Eureka

**IMPERIAL County Medical Society.** Meets Second Tuesday, 8 p.m., Pioneer Memorial Hospital, Brawley.  
Donald C. Zavala.....President  
239 S. 8th St., El Centro  
Ernest Brock.....Secretary  
200 S. Imperial Ave., Imperial

**INYO-MONO County Medical Society.** Meets Fourth Tuesday except December, January, February.  
Evan E. Knecht.....President  
512 W. Line St., Bishop  
Donald L. Christenson.....Secretary  
124 N. Main St., Lone Pine

**KERN County Medical Society,** 2603 G Street, Bakersfield. Meets Third Tuesday, 7:30 p.m., Society Office, 2603 G Street, except June, July, August.  
Harold C. Freeman.....President  
406 James St., Shafter  
Max Newman.....Secretary  
1420 Crestmont Dr., Bakersfield

**KINGS County Medical Society.** Meets Second Thursday, 7:00 p.m. Place to be announced.  
Willard S. Bridwell.....President  
1028 N. Doury, Hanford  
E. E. Kerr.....Secretary  
208 No. Doury, Hanford

**LASSEN-PLUMAS-MODOC-SIERRA County Medical Society.** Meets on call.  
C. C. Henriques.....President  
50 N. McDow St., Susanville  
J. F. Narkewitz.....Secretary  
P. O. Box 637, Quincy

**LOS ANGELES County Medical Assn.,** 1925 Wilshire Blvd., Los Angeles 57. Meets First and Third Thursdays, 1925 Wilshire Blvd., Los Angeles.  
Ian G. Macdonald.....President  
1925 Wilshire Blvd., Los Angeles 57  
Richard L. Taw.....Secretary  
1925 Wilshire Blvd., Los Angeles 57

**MADERA County Medical Society.**  
Robert B. Rowe.....President  
525 E. Yosemite Ave., Madera  
Jack A. Bick.....Secretary  
812 W. Yosemite Ave., Madera

**MARIN Medical Society,** 1601 Second St., Suite 106, San Rafael. Meets First Thursday, 7:00 p.m.  
J. J. Arons.....President  
711 D St., San Rafael  
Calvin Plumbhof.....Secretary  
711 D St., San Rafael

**MENDOCINO-LAKE County Medical Society.**  
Carl M. J. Aagaard.....President  
206 S. Oak St., Ukiah  
Patrick R. Allanson.....Secretary  
728 S. State St., Ukiah

**MERCED County Medical Society.** Meets Fourth Thursday, Hotel Tioga, Merced.  
J. Neil Medefind.....President  
652 West 20th St., Merced  
Patrick J. Maloney.....Secretary  
656 West 20th St., Merced

**MONTEREY County Medical Society,** P. O. Box 308, Salinas. Meets First Thursday.  
A. F. Kandlbinder.....President  
835 Cass St., Monterey  
Osman Hull.....Secretary  
716 Cass St., Monterey

**NAPA County Medical Society.** Meets Second Wednesday, 980 Trancas St., Napa.  
Thomas W. Ledwich.....President  
980 Trancas St., Napa  
Erwin Walla.....Secretary  
1775 Lincoln St., Napa

**ORANGE County Medical Association,** 1226 N. Broadway, Santa Ana. Meets First Tuesday, 7:00 p.m.  
William K. Friend.....President  
1125 E. 17th St., Santa Ana  
Waynard W. Lowe.....Secretary  
1321 N. Harbor, Fullerton

**PLACER-NEVADA County Medical Society.** Meets Second Wednesday.  
F. Lynn Smith.....President  
P. O. Box 757, Colfax  
Arthur R. Weaver.....Secretary  
701 High St., Auburn

**RIVERSIDE County Medical Association,** 4175 Brockton Ave., Riverside. Meets Second Monday, 8:00 p.m., El Loro Room, Mission Inn.  
John G. Fast.....President  
6876 Magnolia, Riverside  
Helen Clark.....Secretary  
4175 Brockton Ave., Riverside

**SACRAMENTO Society for Medical Improvement,** 5380 Elvas Ave., Sacramento 19. Meets Third Tuesday, 8:30 p.m., Sutter Hospital Auditorium.  
Joel T. Janvier.....President  
5495 Carlson Dr., Sacramento  
Orrin S. Cook.....Secretary  
1116 - 26th St., Sacramento

**SAN BENITO County Medical Society.** Meets once a month, except July and August. Time and place to be announced.  
Jack O. Bradt.....President  
471 - 4th St., Hollister  
Cole Manes.....Secretary  
956 San Benito St., Hollister

**SAN BERNARDINO County Medical Society,** 1875 N. D. St., San Bernardino. Meets First Tuesday, 8:00 p.m., San Bernardino County Charity Hospital.  
William L. Cover.....President  
575 W. 5th St., San Bernardino  
George W. Smith.....Secretary  
1374 Waterman Ave., San Bernardino

**SAN DIEGO County Medical Society,** 3427 - 4th Ave., San Diego 3. Meets Second Tuesday, San Diego Club, 1250 Sixth Ave., San Diego 10.  
Winston C. Hall.....President  
2850 - 6th Ave., San Diego  
Robert L. Hippen.....Secretary  
2850 - 6th Ave., San Diego

**SAN FRANCISCO Medical Society,** 250 Masonic Ave., San Francisco 18.  
Eugene M. Webb.....President  
250 Masonic Ave., San Francisco 18  
Edgar Wayburn.....Secretary  
490 Post St., San Francisco

**SAN JOAQUIN County Medical Society.** Meets First Thursday, 8:15 p.m., 445 W. Acacia St., P. O. Box 230, Stockton.  
John T. McNally.....President  
1610 N. El Dorado St., Stockton  
Dora A. Lee.....Secretary  
2420 N. California St., Stockton

**SAN LUIS OBISPO County Medical Society.** Meets Third Saturday, 7:00 p.m., Anderson Hotel, San Luis Obispo.  
Chalmer Ferris.....President  
1170 Marsh St., San Luis Obispo  
Louis M. Tedone.....Secretary  
1170 Marsh St., San Luis Obispo

**SAN MATEO County Medical Society,** 122 El Camano Real, San Mateo. Meets Third Tuesday.  
John T. Saide.....President  
1 Baywood Ave., San Mateo  
Ward L. Hart.....Secretary  
1100 Laurel St., San Carlos

**SANTA BARBARA County Medical Society,** 300 W. Pueblo St., Santa Barbara. Meets Second Monday, Cottage Hospital.  
W. Kenneth Jennings.....President  
222 W. Pueblo St., Santa Barbara  
T. K. Hill.....Secretary  
300 W. Pueblo St., Santa Barbara

**SANTA CLARA County Medical Society,** 1960 The Alameda, San Jose 26. Meets Third Monday except in July and August.  
Robert L. Dennis.....President  
San Jose Hospital, 14th St. and E. Santa Clara, San Jose  
G. I. Smith.....Secretary  
100 Connor Dr., San Jose

**SANTA CRUZ County Medical Society.** Meets every Second Month, Second Tuesday. Time, place to be announced.  
James B. Vail.....President  
224 Alta Vista Dr., Santa Cruz  
John W. Morris.....Secretary  
230 Walnut Ave., Santa Cruz

**SHASTA-TRINITY County Medical Society.** Meeting time, 7:00 p.m. Place and date to be announced.  
George A. Martin.....President  
1348 Market St., Redding  
Vonnice Dunston.....Secretary  
1710 Placer St., Redding

**SISKIYOU County Medical Society.** Meets Sunday on call.  
Andrew M. Larsen.....President  
Box 246, McCloud  
Jack Landon.....Secretary  
750 S. Main St., Yreka

**SOLANO County Medical Society.** Meets Second Tuesday, 8:00 p.m., at different meeting places.  
William J. Olson.....President  
740 Texas St., Fairfield  
Albert Cohn.....Secretary  
609 Georgia St., Vallejo

**SONOMA County Medical Society,** 121 Sotoyome St., Santa Rosa. Meets Second Thursday.  
Robert H. Butler.....President  
121 Sotoyome St., Santa Rosa  
Richard T. Johnston.....Secretary  
121 Sotoyome St., Santa Rosa

**STANISLAUS County Medical Society,** 303 Downey Ave., Modesto. Meets Third Tuesday of the month, 7 p.m., Hotel Covell, Modesto.  
Robert W. Purvis.....President  
709 - 18th St., Modesto.  
John S. Woolley.....Secretary  
303 Downey Ave., Modesto

**TEHAMA County Medical Society.** Meets at call of President.  
James Faulkner.....President  
420 Pine St., Red Bluff  
Clarence Winning.....Secretary  
530 Main St., Red Bluff

**TULARE County Medical Society,** 1640 West Mineral King, P.O. Box 16, Visalia.  
William D. Clinite.....President  
P.O. Box 16, Visalia  
James W. Goettle.....Secretary  
P.O. Box 16, Visalia

**VENTURA County Medical Society.** Meets Second Tuesday, 7:15 p.m., Colonial House, Oxnard.  
Noble A. Powell, Jr.....President  
515 South C St., Oxnard  
F. K. Hebling.....Secretary  
3081 Loma Vista Rd., Ventura

**YOLO County Medical Society.** Meets First Wednesday.  
Harry S. Friesen.....President  
500 First St., Woodland  
John Payne.....Secretary  
Woodland Clinic Memorial Hospital, 650 Third St., Woodland

**YUBA-SUTTER-COLUSA County Medical Society,** 370 Del Norte Ave., Yuba City. Meets Second Tuesday.  
Charles E. Clement.....President  
725 Fourth St., Marysville  
Norman K. Noordhoff.....Secretary  
320 G St., Marysville

# Officers — CALIFORNIA PHYSICIANS' SERVICE — 1962-63

## Officers:

Chairman of the Board.....	John G. Morrison
Vice-Chairman of the Board.....	Paul I. Hoagland
President.....	T. Eric Reynolds
Secretary.....	Burt L. Davis
Assistant Secretary.....	John E. Vaughan
Treasurer.....	Angus C. McDonald
Assistant Treasurer.....	Mr. John Cowee

## BOARD OF Trustees:

Warren L. Bostick.....	San Rafael
Mr. Arnold Callan.....	Oakland
Dudley M. Cobb, Jr.....	Los Angeles
Mr. Ransom M. Cook.....	San Francisco
Mr. John Cowee.....	Berkeley
Burt L. Davis.....	Palo Alto
Mr. Thomas Hadfield.....	San Francisco
Donald C. Harrington.....	Stockton
Ivan C. Heron.....	San Francisco
John R. Hilsabeck.....	Santa Ana
Paul I. Hoagland.....	Pasadena
Mr. Philip S. Magruder.....	Los Angeles
Angus C. McDonald.....	Huntington Park
John G. Morrison.....	San Leandro
Wilbur G. Rogers.....	Glendale
Herman H. Stone.....	Riverside
William H. Thompson.....	San Mateo
John E. Vaughan.....	Bakersfield
Milo Youel.....	San Diego

\*Appointed by C.M.A. Council.

## STANDING COMMITTEES:

### Contract Committee

Mr. Thomas Hadfield,	San Francisco
Chairman.....	
William H. Thompson,	San Mateo
Vice-Chairman.....	
Warren L. Bostick.....	San Rafael
Mr. Arnold Callan.....	Oakland
Mr. John Cowee.....	Berkeley
Donald C. Harrington.....	Stockton
Paul I. Hoagland.....	Pasadena

### Executive Committee

John G. Morrison, Chairman.....	San Leandro
Paul I. Hoagland, Vice-Chairman.....	Pasadena
Warren L. Bostick.....	San Rafael
Mr. Thomas Hadfield.....	San Francisco
Angus C. McDonald.....	Huntington Park
Herman H. Stone.....	Riverside

## Fee Schedule Committee

Herman H. Stone, Chairman.....	Riverside
Milo Youel, Vice-Chairman.....	San Diego
Dudley M. Cobb, Jr.....	Los Angeles
Ivan C. Heron.....	San Francisco
John R. Hilsabeck.....	Santa Ana
John E. Vaughan.....	Bakersfield

## Finance Committee

Angus C. McDonald,	Huntington Park
Chairman.....	
Mr. John Cowee, Vice-Chairman.....	Berkeley
Burt L. Davis.....	Palo Alto
Dudley M. Cobb, Jr.....	Los Angeles
Mr. Ransom M. Cook.....	San Francisco
Mr. Thomas Hadfield.....	San Francisco
Ivan C. Heron.....	San Francisco
Mr. Philip S. Magruder.....	Los Angeles
Wilbur G. Rogers.....	Glendale

## Medical Policy Committee

Warren L. Bostick, Chairman.....	San Rafael
Wilbur G. Rogers, Vice-Chairman.....	Glendale
John R. Hilsabeck.....	Santa Ana
Paul I. Hoagland.....	Pasadena
Angus C. McDonald.....	Huntington Park
John E. Vaughan.....	Bakersfield

## Non-Trustee Members of Medical Policy Committee

Elmer Goel.....	Beverly Hills
M. M. Haskell.....	Long Beach
Bernard J. Korn.....	San Pedro
Thomas W. McIntosh.....	Pasadena

# Birtcher Ultrasonics

lease now for only  
40¢ a day



Exclusive: Only Birtcher Ultrasonic Units provide the 5 position transducer which adjusts instantly to any of 5 positions.

THE  
ECONOMICS  
OF LEASING  
IN MEDICAL  
PRACTICE

for a new booklet of facts on leasing  
medical equipment call or write:

Mr. Chet Cardell  
P.O. Box 4212  
Santa Barbara, Calif.  
WO 2-0178

James Gilmer  
3150 El Cajon Blvd.  
San Diego 4, Calif.  
AT 3-3436

3246 Telegraph Avenue  
Oakland 9, Calif.  
Olympic 4-5680

4371 Valley Boulevard  
Los Angeles 32, California  
CApitol 2-9101

The remarkable new Birtcher Lease plan puts the finest ultrasonic unit made in your office for just 40 cents a day. Forty thousand physicians' successful treatment of more than one million patients proves the value of ultrasonics as adjunctive treatment of such common ailments as Arthritis, Bursitis, Sinusitis, Herpes Zoster, Scleroderma, Dupuytren's contracture, whiplash injury, strains, sprains, etc.

## WHY BUY IF A LEASE COSTS LESS?

More physicians are leasing today because of these advantages: Less cash outlay, no equipment obsolescence problems, no maintenance or repair worries, use of money for other profitable investment, tax write off of costs as operating expense, less capital puts more equipment in an office, and the option to convert to purchase should an economic situation change.

## THE BIRTCHER CORPORATION

medical electronics for  
CARDIOLOGY • ELECTROSURGERY • PHYSICAL MEDICINE  
4371 Valley Blvd., Los Angeles 32, California

## Sedentary Habits Cause Backache

Exercise is the answer to backache caused by sedentary habits, it was reported in a scientific journal of the American Medical Association.

A lack of physical activity is a major cause of low back pain and exercise can prevent as well as remedy the situation, Hans Kraus, M.D., and Sonya Weber, D.Sc., New York City, wrote in the April *Archives of Environmental Health*.

Their conclusion was based on a study of 52 psychoanalysts, a highly sedentary group, and earlier research by Dr. Kraus, who has been interested in the subject for 20 years.

Each analyst was tested to determine his muscle

deficiencies and exercises were specifically prescribed to overcome these weaknesses, the authors said.

The exercises started with gentle movements and were increased gradually as strength and flexibility improved, they said. After the exercises were learned, the analysts were told to perform them at home at least once a day for 5 to 20 minutes.

The researchers were able to follow the progress of 26 of the 52 analysts for from 2 to 10 years.

Of the 26, who originally complained of low back pain along with pain in the upper back, neck, shoulder area and legs, "8 had no pain at all, and 18 had definite relief from pain" at their final examination, the authors said.

"They all showed considerable improvement in muscle strength and flexibility," they said.

In some cases, pain recurred when exercises were suspended, it was pointed out.

Lack of exercise may operate in different ways to produce painful muscular conditions, the authors explained.

"It may cause weakness and stiffness in muscles, since—as is generally known—a muscle only maintains the efficiency at which it is ordinarily used," they said. "On the other hand, inability to respond to stimuli and the need to assume identical posture for long periods of time may store tension in certain muscle groups and manifest itself in consider-

(Continued on Page 14)

*Your public relations problem has been our prime consideration in collection procedures during two generations of ethical service to the Medical Profession.*



### THE DOCTORS BUSINESS BUREAU

Since 1916

#### FOUR OFFICES FOR YOUR CONVENIENCE:

821 Market St., San Francisco 3.....GARfield 1-0460  
Latham Square Bldg., Oakland 12.....GLencourt 1-8731  
617 S. Olive St., Los Angeles 14.....MADison 7-1252  
19 Pine Ave., Long Beach.....HEmlock 5-6315

*when your older patient is out of focus*



## LIPO-NICIN PTZ

CAPSULES AND ELIXIR

T.M.

provides emotional and mental improvement  
and a brighter outlook for your aging patients  
a safe and efficient cerebral stimulant and vasodilator

### LIPO-NICIN PTZ capsules

Each capsule contains:

PTZ (Pentamethylene Tetrazole).....100 mg.  
Nicotinic Acid .....100 mg.  
Niacinamide .....5 mg.  
Vitamin C .....100 mg.  
Thiamine-HCl .....25 mg.  
Riboflavin .....2 mg.  
Pyridoxine .....3 mg.  
1-Glutamic Acid .....50 mg.

**AVERAGE DOSAGE:** One capsule three times daily.

**AVAILABLE** in bottles of 100 capsules.

**CAUTION:** Most persons experience a flushing and tingling sensation after taking a higher potency niacin-containing compound. As a secondary reaction some will complain of nausea and other sensations of discomfort. This reaction is transient and is rarely a cause for discontinuance of the drug if the patient is forewarned to expect the reaction.

**WARNING:** Contraindicated in the presence of epilepsy.

*Write for Free Samples and Literature.*



THE BROWN PHARMACEUTICAL COMPANY  
2500 W. 6th Street, Los Angeles 57, Calif.

### LIPO-NICIN PTZ elixir (ELIXIR OF PORT WINE)

Each teaspoonful (5 cc) contains:

PTZ (Pentamethylene Tetrazole).....100 mg.  
Nicotinic Acid .....100 mg.  
Ascorbic Acid .....100 mg.  
1-Glutamic Acid .....50 mg.  
Niacinamide .....5 mg.  
Riboflavin (as Riboflavin 5'-  
Phosphate Sodium) .....2 mg.  
D-Pantothenyl Alcohol .....5 mg.  
In a port wine vehicle. Alcohol 20%

**AVERAGE DOSAGE:** One teaspoonful three times daily or as prescribed by physician.

**AVAILABLE** in Pint bottles.



## **INDIVIDUALIZED THERAPEUTIC EDUCATION**

for  
**your young patient**  
with

- **Learning Difficulties**
- **Emotional Problems**

Summer camp enrollment is a favorable introduction to the Devereux year-round therapeutic and educational program. Some boys and girls are accepted primarily for comprehensive evaluation leading to placement and therapy recommendations at the close of the summer activities.

In the Devereux Schools in California, slow learning children and those with emotional disturbances are aided in attaining their fullest potential through controlled milieu therapy and through individual attention from large and diversified professional, school, and home staffs.

You are invited to write  
for our recent brochure.

### **DEVEREUX SCHOOLS IN CALIFORNIA**

ROBERT G. FERGUSON, Ed.D., *Director*  
KEITH A. SEATON, *Registrar*  
Box 1079, Santa Barbara

## **THE DEVEREUX FOUNDATION**

Devon, Pennsylvania  
Santa Barbara, California  
Victoria, Texas

**SCHOOLS  
COMMUNITIES  
CAMPS  
TRAINING  
RESEARCH**

**FIFTY YEARS OF SERVICE TO CHILDREN**

HELENA T. DEVEREUX    EDWARD L. FRENCH, Ph.D.  
Founder and Consultant    President and Director

## **Sedentary Habits Cause Backache**

(Continued from Page 10)

able pain. This category is usually referred to as 'tension syndrome' and includes many cases of stiff neck, painful shoulder, painful upper and lower back, and painful leg and arm muscles."

To gain an impression of the magnitude of complaints among analysts possibly due to underexercise and unreleased tension, the researchers also sent a questionnaire to the 750 members of the American Psychoanalytical Association.

A total of 489 questionnaires were returned, they said. Of these, 144 exercised and had no pain; 107 did not exercise at all and had pain; 47 had pain which was relieved by exercise; 52 had pain despite physical activity; 29 did not exercise at all and had no pain; 44 reported an organic disease involving the lower back, and the remaining 66 could not be evaluated, they said.

If the unevaluated group and those with organic disease are disregarded, the authors said, it can be inferred that the remaining 379 analysts would not have had pain if they had performed sufficient and appropriate exercises.

"This study bears out the experience reported previously that lack of physical activity is the major cause for low back pain and tension syndromes and the exercise has both preventive and remedial value," they said.

The findings also show that a test of muscle strength and flexibility can indicate the borderline of minimum muscular fitness below which expectancy of back pain is high, they said.

An earlier study conducted by Dr. Kraus indicated that 80 per cent of 5,000 physically inactive persons with back pain had "muscular deficient" backs.

The chances of preventing back pain in persons in such a sedentary occupation as psychoanalyst can be improved by such simple measures as changing chairs frequently when working; changing head posture; taking five-minute "breaks" for mild exercise such as walking up and down; incorporating 10 to 30 minutes of exercises into the daily routine; developing walking habits, including stairs, and engaging in some such activity as walking, swimming, tennis, or gardening on week-ends and on one week-day, the authors said.

"The time thus spent would be regained by avoidance of days of disability and discomfort," they said.

---

BLOOD COAGULUM PACKING IN MIDDLE EAR SURGERY—M. C. Culbertson, Jr., and R. Rember. *Arch. Otolaryng.*—Vol. 75: 198 (March) 1962.

The authors believe that a blood clot is at present the best agent for packing middle ears in many cases of tympanoplasty, particularly those using vein and canal-wall skin grafts. Preparation of this coagulum by centrifuging of blood produced a more easily usable packing material. A description of the technique is given.

# BOOKS RECEIVED

*Books received by CALIFORNIA MEDICINE are acknowledged in this column. Selections will be made for more extensive review in the interest of readers as space permits.*

**CLINICAL PATHOLOGY**—Application and Interpretation—Third Edition—Benjamin B. Wells, M.D., Ph.D., Assistant Chief Medical Director for Research and Education in Medicine, Veterans Administration; former Professor of Medicine and Chairman of the Department of Medicine, Creighton University School of Medicine, Omaha. W. B. Saunders Company, Philadelphia, Pa., 1962. 541 pages, \$9.00.

**FUTURE OF PSYCHIATRY, THE**—Edited by Paul H. Hoch, M.D., Department of Mental Hygiene, State of New York; College of Physicians and Surgeons, Columbia University, New York City, and Joseph Zubin, Ph.D., Department of Mental Hygiene, State of New York; Department of Psychology, Columbia University, New York City. The Proceedings of the Fiftieth Annual Meeting of the American Psychopathological Association, held in New York City, February 1961. Grune & Stratton, Inc., 381 Park Avenue South, New York 16, N. Y., 1962. 271 pages, \$8.75.

**KEY TO LASTING SLIMNESS**—Corinne Collins. Foreword by Dr. Jean Mayer, Associate Professor of Nutrition, Harvard University. Published by J. Richard Collins, P.O. Box 4828, San Francisco 1, Calif., 1960. Paperback, 80 pages, \$1.00.

**MANUAL OF ELECTROTHERAPY, A**—Second Edition, Thoroughly Revised, 157 Illustrations and a Plate in Color—Arthur L. Watkins, M.D., Assistant Clinical Professor of Medicine, Harvard Medical School; Chief of Physical Medicine, Massachusetts General Hospital; Medical Director, Bay State Medical Rehabilitation Clinic, Boston, Mass. Lea & Febiger, Washington Square, Philadelphia 6, Pa., 1962. 272 pages, \$5.00.

**MARTINI'S PRINCIPLES AND PRACTICE OF PHYSICAL DIAGNOSIS**—3rd Edition—Revised by Yale Kneeland, Jr., M.D., Professor of Medicine, Columbia University; Attending Physician, Presbyterian Hospital, New York City; and Robert F. Loeb, M.D., Bard Professor of Medicine, Emeritus, Columbia University; Consultant, Presbyterian Hospital, New York City. J. B. Lippincott Company, East Washington Square, Philadelphia 5, Pa., 1962. 275 pages, \$4.75.

**MODERN MEDICAL TREATMENT**—By Various Authors—Edited by Henry Miller, M.D., F.R.C.P., Physician in Neurology, Royal Victoria Infirmary, Newcastle upon Tyne. Williams & Wilkins Co., Baltimore 2, Maryland, exclusive U. S. agents, 1962. 416 pages, \$7.00.

**PHYSICAL DIAGNOSIS**—Sixth Edition, Illustrated—Ralph H. Major, M.D., Professor of Medicine and of the History of Medicine, and Mahlon H. Delp, M.D., Professor of Medicine, The University of Kansas. W. B. Saunders Company, Philadelphia, Pa., 1962. 355 pages, \$7.50.

**POSTTHROMBOPHLEBITIC SYNDROME, THE**—Roy J. Popkin, M.D., F.A.C.A., Attending in Medicine, Cedars

of Lebanon Hospital; Chief (Emeritus), Peripheral Vascular Disease Clinic, Cedars of Lebanon Hospital, Los Angeles, Calif. Charles C. Thomas, Publisher, 301-327 East Lawrence Avenue, Springfield, Ill., 1962. 211 pages, \$8.50.

**PRIMER OF WATER, ELECTROLYTE AND ACID-BASE SYNDROMES, A**—Second Edition, Thoroughly Revised, Illustrated—Emanuel Goldberger, M.D., F.A.C.P., Attending Physician, Montefiore Hospital; Consulting Cardiologist, Lincoln and Misericordia Hospitals; Lecturer in Medicine, Columbia University, New York, New York. Lea & Febiger, Washington Square, Philadelphia 6, Pa., 1962. 374 pages, \$6.00.

**PRINCIPLES AND PRACTICE OF MEDICINE, THE**—A Textbook for Students and Doctors—Sir Stanley Davidson, B. A. Cantab., M.D., F.R.C.P. Edin., F.R.C.P., Lond., M.D. Oslo, F.R.S. Edin., Extra Physician to H.M. the Queen in Scotland; Professor of Medicine and Clinical Medicine, University of Edinburgh, 1938-59; Physician-in-Charge, Royal Infirmary, Edinburgh, 1938-59; Regius Professor of Medicine, University of Aberdeen, 1930-38, and Past and Present Members of The Staff of the Department of Medicine, University of Edinburgh, and Associated Clinical Units. The Williams & Wilkins Co., Baltimore, Md., 1960. 1139 pages, \$8.00.

**PSYCHOCHEMOTHERAPY**—The Physician's Manual—Edmund Remmen, M.D., Editor, Western Medicine; Sidney Cohen, M.D., Assistant Clinical Professor, University of California (LA); Keith S. Ditman, M.D., Assistant Professor, Neuropsychiatric Institute, UCLA Medical Center; and John Russell Frantz, M.D., Associate Clinical Professor of Psychiatry, Loma Linda University. Western Medical Publications, 1721 W. Olympic Blvd., Los Angeles 15, 1962. 152 pages, \$4.50.

**RADIOACTIVE ISOTOPES IN MEDICINE AND BIOLOGY: MEDICINE**—Second Edition, 49 Illustrations—Solomon Silver, M.D., Attending Physician; Chief, Thyroid Clinic, The Mount Sinai Hospital; Associate Clinical Professor of Medicine, College of Physicians and Surgeons, Columbia University, New York. Lea & Febiger, Washington Square, Philadelphia 6, Pa., 1962. 347 pages, \$8.00.

(Continued on Page 22)

## COOK COUNTY graduate school of medicine

### CONTINUING EDUCATION COURSES STARTING DATES—SUMMER-FALL, 1962

<b>Surgical Technic</b> .....	Two Weeks, July 23, Sept. 10
<b>Surgery of Colon &amp; Rectum</b> .....	One Week, Sept. 17
<b>General Surgery</b> .....	One Week, Sept. 17
<b>Urology</b> .....	Two Weeks, Oct. 29
<b>Vaginal Approach to Pelvic Surgery</b> .....	June 25, Aug. 6
<b>Obstetrics, General &amp; Surgical</b> .....	Two Weeks, July 16
<b>Gynecology, Office &amp; Operative</b> .....	Two Weeks, Sept. 17
<b>Proctoscopy &amp; Sigmoidoscopy</b> .....	One Week, Sept. 10
<b>General Practice Review</b> .....	One Week, Oct. 8
<b>Gallbladder Surgery</b> .....	3 Days, June 18, Oct. 8
<b>Surgery of Hernia</b> .....	3 Days, June 21, Oct. 11
<b>Advances in Medicine</b> .....	One Week, Oct. 15
<b>Advances in Surgery</b> .....	One Week, Dec. 10
<b>Blood Vessel Surgery</b> .....	One Week, Oct. 22
<b>Board of Surgery Review—Part I</b> .....	Two Weeks, Nov. 5
<b>Board of Surgery Review—Part II</b> .....	Two Weeks, Nov. 26
<b>Fractures &amp; Traumatic Surgery</b> .....	Two Weeks, Oct. 1
<b>Diagnostic Radiology</b> .....	Two Weeks, Oct. 29

Information concerning numerous other continuation courses available upon request.

#### TEACHING FACULTY:

Attending Staff of Cook County Hospital

#### ADDRESS:

REGISTRAR, 707 South Wood Street,  
Chicago 12, Illinois

STACEY'S for any Medical Book in Print

## NEW BOOK

**THE PELVIS:** Section VI of A Stereoscopic Atlas of Anatomy. By David L. Bassett, M.D., and William B. Gruber. 2 Vols. 340 pages, plus films. (1961) Sawyer's. \$19.50.

**Stacey's**

581 MARKET STREET  
SAN FRANCISCO 5, CALIFORNIA

GA 1-4687

Please send me on approval:\_\_\_\_\_

Name\_\_\_\_\_

Street\_\_\_\_\_

City\_\_\_\_\_ State\_\_\_\_\_



## BOOKS RECEIVED

(Continued from Page 18)

**SHOCK—PATHOGENESIS AND THERAPY**—An International Symposium Sponsored in Stockholm, 27th-30th June, 1961, by CIBA—U. S. von Euler, Stockholm, Chairman; edited by K. D. Bock, Basle. Springer-Verlag, Berlin, Göttingen, Heidelberg, 1962. Copies are available from Academic Press in New York City at \$13.00 each.

**STUDY OF PSYCHOPHYSICAL METHODS FOR RELIEF OF CHILDBIRTH PAIN**, A—C. Lee Buxton, M.D., Department of Obstetrics and Gynecology, Yale University School of Medicine. W. B. Saunders Company, Philadelphia, Pa., 1962. 116 pages, \$4.75.

**THANNHAUSER'S TEXTBOOK OF METABOLISM AND METABOLIC DISORDERS**—Second Edition—Edited by Nepomuk Zollner, Associate Professor of Internal Medicine and Senior Research Assistant in Medicine, University of Munich, Germany; with an introduction by S. J. Thannhauser. American edition translated and edited by Solomon Estren, M.D., F.A.C.P., Associate Attending Hematologist, The Mount Sinai Hospital; Associate Physician, Hematology, Mother Cabrini Memorial Hospital, New York City; Attending in Hematology, Veterans Administration Hospital, Bronx, New York. Grune & Stratton, Inc., 381 Park Avenue South, New York 16, N. Y., 1962. Vol. I, 462 pages, \$17.50. (Vol. II not published yet.)

**TROPICAL RADIOLOGY**—Howard Middlemiss, M.D., F.F.R., D.M.R.D., Director of Radiology, United Bristol Hospitals; Head of Department of Radiodiagnosis, University of Bristol. Intercontinental Medical Book Corporation, 381 Fourth Avenue, New York 16, N. Y., 1962. 272 pages, \$10.00.

## Good Nursery Schools Offer Advantages

A nursery school operated professionally and competently has "strong advantages" for most children at the age of three or four, according to Willard Abraham, Ph.D., chairman of the department of special education, Arizona State University, Tucson, Ariz.

But nursery schools are not the answer for all childhood problems of insecurity, speech, and slow maturing, he said.

Writing in the April *Today's Health*, published by the American Medical Association, Dr. Abraham said nursery schools will not compensate for the rejection a child may feel when a new baby enters the home scene and they cannot make up for a broken home, parents who never wanted him in the first place, or a mother who puts her pleasures or luxuries ahead of him.

They can be of only limited help in these situations, he said.

Nursery schools represent "a wedge toward the bigger world which the child can enter gradually,"

(Continued on Page 32)

*Seattle  
World  
Fair*

### MEDICAL DENTAL SYMPOSIUMS ON HYPNOSIS

Aug. 3-5, Primary Course, fee \$150.00

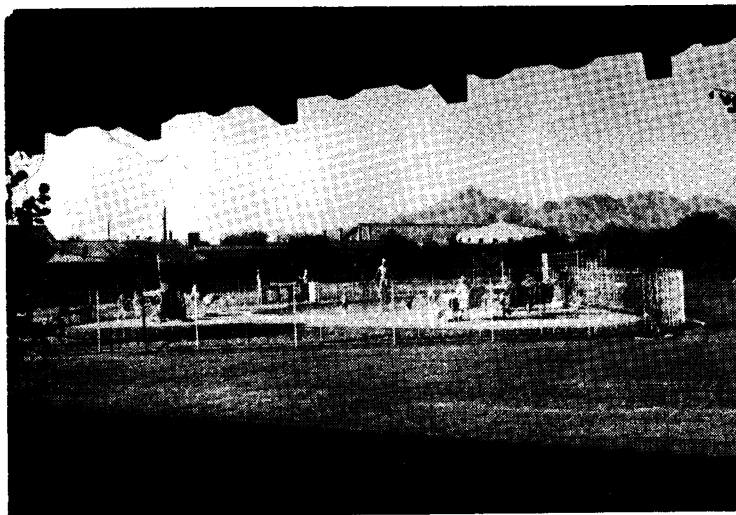
Aug. 3-4, Advanced Course, fee \$85.00

Instructors: R. M. Stolzheise, M.D. (psychiatrist), James M. Hixson, D.M.D.,  
L. M. LeCron, B.A. (psychologist)

To be given at the Benjamin Franklin Hotel (Room reservations are available Aug. 1 to 6)  
For further information write

HYPNOSIS SYMPOSIUMS, 1250 Glendon Ave., #7, Los Angeles 24, Calif.

Phone GR 8-8303



Located in the heart of the beautiful Phoenix citrus area near picturesque Camelback Mountain, the hospital is dedicated exclusively to the treatment of psychiatric and psychosomatic disorders, including alcoholism.

*The casual atmosphere* of Camelback Hospital  
is one of relaxed Western living.  
Looking east, Camelback Mountain provides the background  
for the lovely lawn and grove area.  
The natural beauty of the surroundings at Camelback Hospital  
creates, for the patient,  
a restful, scenic setting.

**Camelback Hospital**

5055 North 50th Street  
AZ 85018-4411  
PHOENIX, ARIZONA  
OTTO J. BENDELL, M.D., F.A.C.P., F.A.C.S., F.R.C.P.

## Dr. E. A. Park, 84, Wins Goldberger Award

Dr. Edwards Albert Park, veteran Baltimore scientist whose findings played a major part in eliminating rickets as an important health problem for American children, will be honored with the American Medical Association's highest award in clinical nutrition next June.

Dr. Park, 84, professor emeritus of pediatrics at Johns Hopkins Hospital, has been named by the A.M.A.'s Board of Trustees to receive the 1962 Joseph Goldberger Award. A pioneer in the field of human nutrition in the United States, Dr. Park will receive a commemorative plaque and \$1,000.

### NEW NARCOTICS REHABILITATION CENTER

Superintendent of Medical Services and Chief of Research (MD).

The State of California needs men of imagination and ability to develop methods of treating narcotics addiction and preventing readdiction. Since little is known of physiological causes of addiction, studies may be conducted in such fields as Endocrinology, Biochemistry, Enzymology, Genetics, Neurophysiology and Immunology.

Please inquire:

W. B. Webster  
Medical Personnel Services  
801 Capitol Avenue, Sacramento 14, California

The presentation will be made at the American Medical Association's annual meeting in Chicago June 24-28. Dr. Park will deliver the annual Goldberger lecture at the meeting. His subject will be "The Imprinting of Nutritional Disturbances on the Growing Bone."

The Goldberger Award was established in 1949 by the A.M.A. Council on Foods and Nutrition in cooperation with the Nutrition Foundation, Inc. The award is in honor of Dr. Joseph Goldberger, who was chiefly responsible for the discovery of the cause and treatment of pellagra. Last year's award winner was Dr. Frederick J. Stare, chairman of the department of nutrition at Harvard University.

In addition to the award itself, the A.M.A. annually bestows 10 fellowships in nutrition in honor of the Goldberger recipient. These fellowships to young medical students are given each spring.

Dr. Park's investigations of rickets and scurvy established and clarified the patterns of both of these nutritional diseases. In his nutritional research, the production of experimental rickets in rats by dietary means was developed and the anti-rickets activity of cod liver oil was proved.

Dr. Park then applied this information to the study of infants. These studies culminated in the development of effective diagnostic techniques and radiographic methods for the study of the healing of

(Continued on Page 36)

## VIRTUALLY NO CARBONIC ANHYDRASE INHIBITION

## LESS POTASSIUM LOSS

In addition to inhibition of sodium and chloride resorption, chlorothiazide and hydrochlorothiazide inhibit carbonic anhydrase. Carbonic anhydrase inhibition is implicated in increased potassium loss.

Naturetin, on the other hand, is a single-action diuretic, acting solely on tubular reabsorption; it has virtually no carbonic anhydrase activity. This single action may explain the fact that Naturetin produces less potassium loss than other benzothiadiazines and is therefore of particular value in patients prone to hypokalemia or those on digitalis.

**AVAILABLE:** Naturetin 5 mg. and 2.5 mg. tablets. **ALSO AVAILABLE:** Naturetin  $\bar{c}$  K (Squibb Bendroflumethiazide 5 mg. and 2.5 mg. capsule-shaped tablets, each with 500 mg. Potassium Chloride), for use when disease or concomitant therapy increases the risk of hypokalemia. For full information, see your Squibb Product Reference or Product Brief.

## Naturetin—the diuretic with specific difference

SQUIBB BENDROFLUMETHIAZIDE

**SQUIBB**



*Squibb Quality—the Priceless Ingredient*

SQUIBB DIVISION **Olin**

## Good Nursery Schools Offer Advantages

(Continued from Page 22)

Dr. Abraham said. They also offer "an open door to the beginning of science, numbers, music, and art, to concepts of time and space—and another link in the reading process" he said.

Most children can profit from this expanded experience, he said, but only if:

—The child is ready to be away from home part of the day.

—The school supplements, rather than duplicates, the home.

—The staff, equipment and physical setting are appropriate to the child's needs.

"When the child should start and how long he ought to attend is an individual matter which differs from child to child," he said. "However, few can begin profitably at the age of two—and many gain relatively little from more than one year, unless the second year is especially planned to meet their changing physical and emotional needs."

Many different kinds of nurseries are available, he said, and parents should obtain as much information as possible before deciding on whether to enter their child in a particular one.

"The caliber of the nursery school and the specific needs of the child are the decisive factors in how

practical this experience will be," Dr. Abraham concluded.

## Expectant Mother Survives Heart Attack

A 33-year-old expectant mother survived a heart attack in the eighth month of pregnancy and gave birth to a normal, healthy son, it was reported in the March 24 *Journal of the American Medical Association*.

The case was reported by Drs. Eli Shapiro, Richard J. Rosen, Bernard Lederman and Robert J. Carey, Boston.

The occurrence of a heart attack during pregnancy is "a rare phenomenon," they said. Among the few cases reported, no patients recovering from the acute phase of a heart attack died during labor, they said.

**HAVE YOU INSTALLED SEAT BELTS  
IN YOUR AUTOMOBILE?**

**If NOT, order NOW—see Page 68**

## LESS BICARBONATE LOSS

## LESS ALTERATION IN URINARY pH

Unlike chlorothiazide or hydrochlorothiazide, Naturetin has virtually no carbonic anhydrase activity. Thus, Naturetin causes less bicarbonate loss and less alteration in urinary pH than these other agents. This helps maintain a more favorable acid-base balance, and the less alkaline urine reduces the risk of existing urinary infection becoming resistant to therapy. Further, since Naturetin has less influence than the other thiazides on normal uric acid excretion, it is considered the thiazide of choice in patients with a tendency to hyperuricemia or gout.<sup>1,2</sup>

**AVAILABLE:** Naturetin 5 mg. and 2.5 mg. tablets. **ALSO AVAILABLE:** Naturetin c K (Squibb Bendroflumethiazide 5 mg. and 2.5 mg. capsule-shaped tablets, each with 500 mg. Potassium Chloride), for use when disease or concomitant therapy increases the risk of hypokalemia. For full information, see your Squibb Product Reference or Product Brief.

1. Cohen, B. M.: *M. Times* 88:855 (July) 1960. 2. Cohen, B. M.: *Méd. et Hyg. (Genève)* #494, p. 210 (Mar. 15) 1961.

## Naturetin—the diuretic with specific difference

SQUIBB BENDROFLUMETHIAZIDE

**SQUIBB**



*Squibb Quality—the Priceless Ingredient*

SQUIBB DIVISION **Olin**

# Effective **WEIGHT CONTROL**

When it's *important to control* weight you can strengthen your patient's will power by prescribing Fetamin® as an adjunct to your favorite dietary regimen.

Fetamin® provides Methamphetamine, a more powerful appetite depressant; Pentobarbital, to avoid nervous side effects, and a complete dietary supplement of all the minerals and vitamins essential to proper nutrition.

The small, odorless, tasteless tablets ensure patient cooperation.



**CONTRAINDICATIONS:** Cardiovascular disease, especially when associated with hypertension.

**SIDE EFFECTS:** No effects on blood, urine, renal or hepatic functions have been noted. Minimal side effects have been observed occasionally: dry mouth, insomnia, nausea, palpitations, and nervousness.

**DOSAGE:** One tablet taken one-half to one hour before each meal. May be habit forming.

**SUPPLIED:** Bottles of 100, 500 and 1,000

## EACH TABLET CONTAINS:

d-Methamphetamine HCl .....	5.0 mg
Pentobarbital Sodium .....	20.0 mg
Vitamin A Acetate .....	2500 USP units
Vitamin D <sub>2</sub> .....	250 USP units
Ascorbic Acid (Vitamin C) ....	10.0 mg
Thiamine Mononitrate	
(Vitamin B <sub>1</sub> ) .....	2.0 mg
Riboflavin (Vitamin B <sub>2</sub> ) .....	2.0 mg
Niacinamide (Vitamin B <sub>3</sub> ) .....	5.0 mg
d-Calcium Pantothenate	
(Vitamin B <sub>5</sub> ) .....	1.0 mg
Pyridoxine HCl (Vitamin B <sub>6</sub> ) ..	1.0 mg
Ferrous Gluconate .....	65.0 mg
(Iron .....	7.5 mg)
Calcium Lactate .....	270.0 mg
(Calcium .....	35.0 mg)
Copper (as Sulfate) .....	0.15 mg
Manganese (as Citrate soluble) ..	0.25 mg
Zinc (as Oxide) .....	0.08 mg
Potassium (as Chloride) .....	5.0 mg
Magnesium (as Carbonate) .....	2.5 mg

COMPLETE LITERATURE AND SAMPLES ON REQUEST.



**Mission**  
**Pharmaceutical Co.**  
**SAN ANTONIO 6, TEXAS**

## Wallet-Size Lung X-Ray Film Aids Transient Patient

A wallet-size x-ray film has been devised for the future reference of physicians treating patients with lung disease whose occupation requires moves to different locations.

It is frequently desirable and often essential for a physicians to review previous x-rays of patients with lung disease who have abnormal chest x-rays, Robert B. Stonehill, MC, USAF, and Frank A. Johnson, M.D., Lackland, Tex., wrote in the May 5 *Journal of the American Medical Association*.

Obtaining earlier x-rays is "frequently a vexing, time-consuming problem," they said. "This is true especially in a migrating population, such as in the armed forces personnel and their dependents. The same difficulty is encountered in civilian medical practice, but less often."

This frequently delays diagnosis and therapy, they said. Occasionally, the patient is submitted to surgical, diagnostic procedures which could have been avoided if previous x-ray films had been available.

Consequently, the authors said, a patient with x-ray abnormalities when discharged from USAF Hospital Lackland is given a film of his x-ray negative trimmed to 2¼ by 2½ inches which can be carried easily in his wallet.

When a patient's occupation or situation necessitates movement to new locations, the delay experienced in obtaining previous x-rays might well be avoided by this simple procedure, they said.

## REFERENCES AND REVIEWS

(Continued from Page 30)

thyroid effect observed in 3 patients. Significant weight loss occurred in 6 patients. No serious side effects or reaction to D-Triiodothyronine was observed in the 14 patients studied.

\* \* \*

THE FEDERAL HAZARDOUS SUBSTANCES LABELING ACT—T. W. Nale. Arch. Environ. Health—Vol. 4:239 (March) 1962.

A brief history is given of the background of work in the field of precautionary labeling of hazardous substances, which culminated in the passage of the Federal Hazardous Substances Labeling Act. The principal definitions contained in the Act are presented, and the regulations issued by the Food and Drug Administration on Aug. 12, 1961, are reviewed. Based on this information, a series of examples are presented as demonstration of precautionary labels prepared to conform with the Act and current regulations.

\* \* \*

POTENTIAL EXPOSURES FROM X-RAY AND SEALED RADIOISOTOPES—R. G. McAllister. Arch. Environ. Health—Vol. 4:265 (March) 1962.

The potential hazard of radiation exposure is great from industrial use of x-ray machines and gamma-ray sources for radiography. Steadily expanding use will enhance the potential hazard. Records of accidental radiation injury from these devices have been extremely favorable, as compared to early record of medical use. But there is room for improvement. Radiation protection requirements for industrial radiography are simple and straightforward. It is the duty of present and future users to learn to follow them.

## Dr. E. A. Park, 84, Wins Goldberger Award

(Continued from Page 24)

rickets in infants. Such studies were valuable in the eventual elimination of the disease as an important health problem of infants and children in this country and Europe.

Dr. Park continued to investigate the pathology of bone in rickets and the normal processes of growth in bone. These studies aided in the understanding of the fundamental processes of bone growth.

His investigations contributed also to the knowledge of the effect of vitamin C deficiency on bone growth and structure. They permitted more effective use of x-ray in the early diagnosis of scurvy in infants by pointing out the changes in bone structure established by simultaneous tissue and x-ray studies.

"The broader influence of Dr. Park through his inspirational teaching deserves special recognition," the A.M.A. said. "His career exemplifies the sum of those qualities of important original contributions over a long period of time, of breadth of interest and influence on the field of human nutrition and of leadership which have characterized recipients of the Goldberger Award."

Born in 1877 at Gloversville, N. Y., Dr. Park graduated from Yale in 1900 and received his

medical degree from Columbia in 1905. He was an instructor in internal medicine and pediatrics at Columbia and was on the faculties of Johns Hopkins and Yale. For 20 years he was a professor of pediatrics and pediatrician-in-chief at Johns Hopkins Hospital, gaining emeritus status in 1947. He has received many honorary degrees and scientific awards.

## Contaminated Water Blamed In Hepatitis Outbreak

Contaminated water was blamed today as the probable cause of an epidemic of infectious hepatitis in Connecticut in the summer of 1960.

Hepatitis is a virus-caused liver disease in which jaundice is the most prominent symptom.

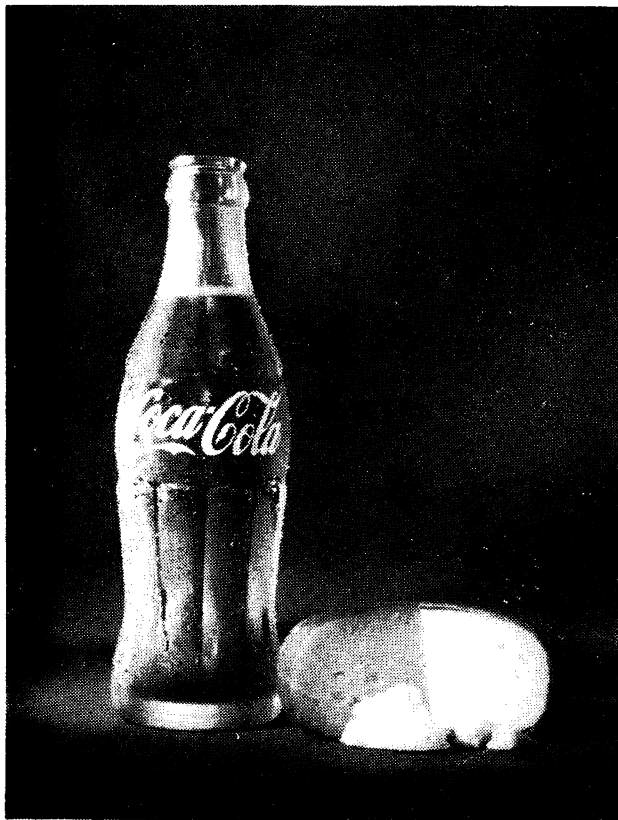
Thirty cases of hepatitis apparently stemmed from a well drilled in 1957 to supply water to grades three through six of the consolidated school in Brookfield, Conn., according to an article in the April 7 *Journal of the American Medical Association*.

General sanitation and hygiene in Brookfield are "excellent" the article said.

Water-borne epidemics of hepatitis have been reported infrequently, according to the *Journal* report, which said:

"It is possible that water-borne transmission occurs more often in schools in this country than the

(Continued on Page 38)



Coca-Cola, too, is compatible with a well balanced diet. As a pure, wholesome drink, it provides a bit of quick energy ... brings you back refreshed after work or play. It contributes to good health by providing a pleasurable moment's pause from the pace of a busy day.



## Contaminated Water Blamed In Hepatitis Outbreak

(Continued from Page 36)

lack of reports implies. The failure to recognize this type of spread may be due not only to a low index of suspicion and superficial investigation, but also because it is uncommon for evidence to occur which points certainly enough to water to allow its documentation as a common source."

In the Brookfield case, the explosive nature of the outbreak—19 cases in school pupils within 23 days—indicated that all were infected over a short period of time by a common source, the article said.

Possible sources which were considered but eliminated after investigation were food, milk, and intermingling on school buses and at church gatherings, it said.

Drinking water provided a logical explanation for the outbreak, it said.

Considerable weight was added to the hypothesis that the source was a particular well at the consolidated school when it was discovered that the only patient who became ill during the epidemic and who had not attended the school had nevertheless drunk water there, it said. This patient was a junior high school student who played basketball in the school gymnasium and drank water from a fountain drawing water from the well.

Authors of the article are Drs. Mila E. Rindge, chief, epidemiology section, Connecticut State De-

partment of Health, Hartford, Conn.; James O. Mason, Communicable Disease Center, and Wm. R. Elsea, U. S. Public Health Service, Washington, D. C.

## Cervical Cancer Risk Higher In Early Marriage Group

Women who marry in their teens face a higher probability of eventually developing cancer of the cervix, according to a report in the February 17 *Journal of the American Medical Association*.

It was recommended that women who fall into this susceptible group seek regular gynecologic examinations. Cancer of the cervix can be cured when diagnosed in its early stage.

The *Journal* report was based on studies conducted at Kaiser Foundation Hospitals and Permanente Medical Group in Oakland, Calif., and San Francisco in which 155 cervical cancer patients were compared with 155 similar but cancer-free patients.

The study, in which all patients were questioned as to their earliest sexual experience regardless of marital status, revealed that significantly greater number of cancer patients reported such experiences between the ages of 15 and 20 with cancer diagnosed after a mean latent period of 30 years, I. D. Rotkin, Ph.D., Oakland, said.

This relationship indicates the presence of some as yet unidentified cancer-causing agent, he said.

## The Oldest Name IN PROFESSIONAL LIABILITY INSURANCE

*"making the doctor's practice safer"*



THE  
**MEDICAL PROTECTIVE COMPANY**  
FORT WAYNE, INDIANA

*Professional Protection Exclusively since 1899*

SAN FRANCISCO OFFICE: Gordon C. Jones and John K. Galloway, Representatives  
1518 Fifth Avenue, San Rafael Telephone 453-5140  
Mailing Address: P. O. Box 1079, San Rafael  
LOS ANGELES OFFICE: Gilbert G. Curry and Davis S. Spencer, Representatives  
Room 109, 101½ East Huntington Drive, Arcadia Telephone MUrray 1-5077  
Mailing Address: P. O. Box 543, Arcadia

# California M E D I C I N E

OFFICIAL JOURNAL OF THE CALIFORNIA MEDICAL ASSOCIATION

© 1962, by the California Medical Association

Volume 96

JUNE 1962

Number 6

## Atherosclerosis

### Present Status of the Management of the Disease

LOUIS N. KATZ, M.D., Chicago

THE MAN in the practice of medicine having to care for patients with atherosclerotic heart disease wants to know where we stand today in our knowledge on this subject. There are three steps in the development of knowledge. At first nothing is known about a subject and therefore all we can do is speculate. Then something new is discovered—we tend to overemphasize this discovery, argue about it and become involved in polemics and controversy. Finally, with time and discretion, the discord simmers down and what remains becomes widely accepted, without controversy, and appears in the textbooks.

This is applicable to atherosclerosis. Much is still unknown and therefore much is speculative. It is something for tomorrow, not for today, and need not concern the physician in practice. However, there are a number of things that are definitely established and not controversial. These facts need reemphasis since the field is new.

It is established that 90 per cent of all patients with cardiovascular disease succumb to atherosclerosis (and/or hypertension). Hence, over 45 per cent of all Americans die of these two diseases. This is an important disease, and hence new information about it may have a great impact on our way of living and could affect certain segments of our big

industries like those dealing with foods and with drugs, for example. Also, it may lead to important changes in our living habits. These overtones make it difficult to keep a reasonable scientific and unemotional attitude toward the implication of the newer findings.

It is definitely established that atherosclerosis is a disease, and hence can be treated and prevented now or in the future. It is a metabolic disease. It is not merely old age, or senility or senescence. Actually it is primarily a disease of middle-aged men. Being a metabolic disease, it is subject to control by diet as well as by the internal regulation exerted by the central nervous system or, more likely, by the hormones.

One of the problems which is not settled is what causes atherosclerosis to localize at sites of predilection. Why does it strike primarily at certain sites? Perhaps it is a question of hydraulics resulting from the forces in the moving blood which create stresses and turbulence at the branchings and narrowings of the blood vessels. Perhaps it is due to localized infection and injury. Almost everything that enters the body goes through the blood vessels, and may concentrate within the delicate intima—thereby producing an injury, which in turn becomes a site of predilection for the fatty and fibrotic changes and their sequelae which form the multifaceted aspect of atherosclerosis. Perhaps the disease follows intravascular fibrin deposits or blood clots. Rokitsky and, more recently, Duguid have

Cardiovascular Institute, Michael Reese Hospital and Medical Center, Chicago 16.

Presented before the Section on Internal Medicine at the 91st Annual Session of the California Medical Association, San Francisco, April 15 to 18, 1962.

## EDITORIAL

### Another Annual Meeting

ON APRIL 18 the California Medical Association rang down the curtain on its ninety-first annual session. During its 106 years of existence the Association has missed only 15 years in holding annual meetings, and then because of war or postwar difficulties.

Taken as a whole, the 1962 meeting proceeded with extreme smoothness. It handled its transactions, dispatched its business and closed its doors on a large and apparently satisfied group of members.

Scientifically, the meeting included all the programs and functions looked for in modern medical meetings. Six outstanding guest speakers contributed their knowledge and experience to audiences in large general meetings and the more restricted sessions of the 18 specialty sections.

Medical motion pictures and closed-circuit television proved eminently popular with the scientific audience. Both types of program attracted large crowds, attesting the teaching potential of the visual demonstration as well as the spoken word. The pharmaceutical industry is due a debt of gratitude for its furnishing of films and television programs of first caliber.

Technical exhibits drew large numbers of visitors and again proved that "the best of the newest" can best be assembled at meetings of this character and size. While not all technical exhibitors receive maximum interest from the attending physicians, the consensus of those exhibiting was that a good, sound meeting had been prepared and enjoyed. Scientific exhibitors, again limited in number because of space restrictions, presented their original work in an unhurried atmosphere which encourages browsing and inquiry. The association owes a debt to these pioneers for their willingness to share findings with the professional audience of the annual session.

Legislatively, the House of Delegates handled 91 resolutions and numerous proposed amendments to the Constitution and Bylaws. Despite the size of the

agenda, the meetings proceeded with a minimum of friction. It should be noted that (1) the meetings of the House of Delegates were spaced at intervals which were conducive to thorough study of the matters before the House; (2) delegates and delegations were much more prompt than formerly in forwarding resolutions to the central office so that they could be distributed in advance, and (3) the Association has developed a corps of able and experienced staff members whose background and vigilance contribute materially to the orderly functioning of reference committees.

While the list of resolutions was long, several topics appeared to attract a high level of interest. Among these were proposals for formation of professional corporations to ease physician retirement programs, public assistance programs, birth control and therapeutic abortions and the unification of the medical and osteopathic professions.

The osteopathic unification, debated at length last year, moved gently into its final phases at this meeting. Amendments to the Constitution and Bylaws were voted unanimously or nearly so and helped pave the way for the final step, a popular vote by the people of California in November to cease the further licensing of osteopathic physicians and surgeons. This measure will transfer all such licensing to the State Board of Medical Examiners and retain the State Board of Osteopathic Examiners as a policing body during the lifetime of outstanding osteopathic licenses that are not converted to licenses issued by the Board of Medical Examiners.

The November election, while not essential to the unification program of the two professions, is morally extremely desirable as an indication that all differences between the two groups have, at long last, been removed. We anticipate a hard and expensive campaign on this issue, which will be titled Proposition No. 22.



# California MEDICAL ASSOCIATION

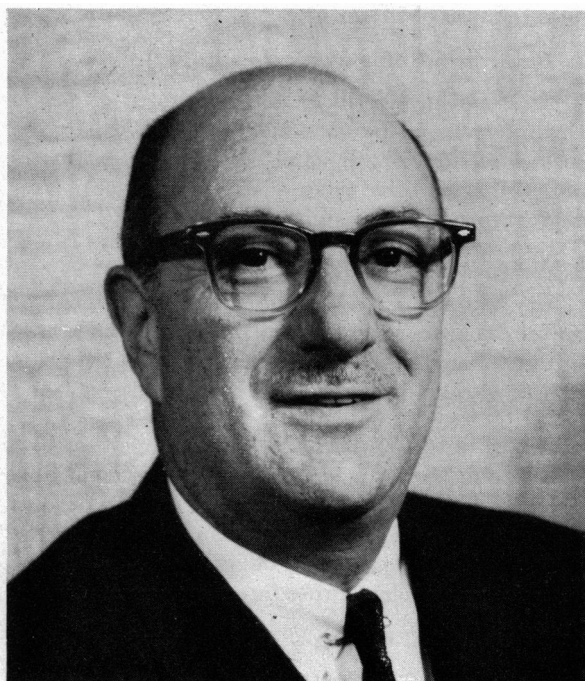
## NOTICES & REPORTS

### Samuel R. Sherman, M.D. C.M.A. President-Elect

DOCTOR SAMUEL ROBERT SHERMAN was unanimously elected President-Elect of the California Medical Association April 17, 1962.

Doctor Sherman, who is Associate Chief of Surgery, Mount Zion Hospital, San Francisco, was born in Stockton, California, attended the University of California, Berkeley, and received his M.D. degree from the University of California Medical School at San Francisco in 1932.

Leaving his private surgical practice in 1941, he joined many colleagues and reported for active military duty. He became a naval flight surgeon, attained the rank of Captain, U.S.N.R., and received



SAMUEL R. SHERMAN, M.D.

the Navy Cross for valor under fire on the carrier *Benjamin Franklin*. He was also awarded the Purple Heart.

Following the war he turned his interest again to civic and medical society affairs. He was elected in 1955 to serve as President of the San Francisco Medical Society, which he did with vigor and distinction.

In 1956 he was elected Councilor for the Seventh District, became vice-chairman of the Council in 1957 and chairman in 1960. In 1961 he was elected as an alternate delegate to represent California in the House of Delegates of the American Medical Association.

Meanwhile, from 1952 to 1960, he organized the medical defense structure in San Francisco, serving as chairman of the Medical Section of the Mayor's Committee of Civil Defense and Disaster during those years. He also became chairman of the C.M.A. Liaison Committee to the California State Department of Social Welfare and in 1960 was made chairman of the Medical Care Advisory Committee of the State Department of Social Welfare.

While several details of Doctor Sherman's qualities, including service, energy and capability are apparent from the foregoing, the spectrum is by no means filled; while no job is too small—or too large

OMER W. WHEELER, M.D. . . . . President  
SAMUEL R. SHERMAN, M.D. . . . . President-Elect  
JAMES C. DOYLE, M.D. . . . . Speaker  
IVAN C. HERON, M.D. . . . . Vice-Speaker  
CARL E. ANDERSON, M.D. . . . Chairman of the Council  
BURT L. DAVIS, M.D. . . . Vice-Chairman of the Council  
MATTHEW N. HOSMER, M.D. . . . Secretary  
DWIGHT L. WILBUR, M.D. . . . Editor  
HOWARD HASSARD . . . . Executive Director  
JOHN HUNTON . . . . Executive Secretary  
General Office, 693 Sutter Street, San Francisco 2 • PRospect 6-9400  
ED CLANCY . . . . Director of Public Relations

Southern California Office:  
2975 Wilshire Boulevard, Los Angeles 5 • DUnkirk 5-2341

# California

## M E D I C I N E

### INDEX TO VOLUME 96, JANUARY-JUNE, 1962

#### AUTHOR INDEX

	PAGE		PAGE
<b>A</b>		<b>J</b>	
Abrams, Herbert L., <i>Palo Alto</i> .....	149	James, Willard W., <i>San Francisco</i> .....	367
<b>B</b>		Jamplis, Robert W., <i>Palo Alto</i> .....	80
Barton, Richard Thomas, <i>Beverly Hills</i> .....	381	Jassy, Liliana, <i>San Francisco</i> .....	196
Bostick, Warren L. (President), <i>San Rafael</i> .....	50, 122, 206, 287, 309	Jessup, R. Bruce, <i>Berkeley</i> .....	98
Bowling, Evelyn, <i>Costa Mesa</i> .....	109	<b>K</b>	
Brown, Roland G., <i>San Diego</i> .....	257	Kahn, J. P., <i>San Francisco</i> .....	321
Budicin, John C., <i>Los Angeles</i> .....	277	Katz, Louis N., <i>Chicago, Illinois</i> .....	373
Buncke, Harry J., Jr., <i>San Mateo</i> .....	347	Kirtland, Howard B., Jr., <i>San Diego</i> .....	257
<b>C</b>		Kramer, Richard A., <i>Palo Alto</i> .....	280
Carson, Donald R., <i>San Francisco</i> .....	114	Kroutil, William E., <i>San Diego</i> .....	342
Cass, Alonzo B., <i>Los Angeles</i> .....	41	Kuzman, William J., <i>San Diego</i> .....	406
Chase, Robert N., <i>San Rafael</i> .....	396	<b>L</b>	
Cohen, Peter, <i>San Francisco</i> .....	102	Le Duc, Ector, <i>San Diego</i> .....	44
Coman, Charles P., <i>Los Angeles</i> .....	26	Lewis, Arline, <i>Berkeley</i> .....	190
Cook, Ransom M., <i>San Francisco</i> .....	165	Llanos, Miguel Angel, <i>Los Angeles</i> .....	201
Corsa, Leslie, Jr., <i>Berkeley</i> .....	98	Lower, Richard R., <i>Palo Alto</i> .....	11
<b>D</b>		Lucia, Salvatore P., <i>San Francisco</i> .....	196
Dennis, James L., <i>Oakland</i> .....	89	Lum, Donald D., <i>Alameda</i> .....	159
Desmond, Andrew More, <i>London, England</i> .....	245, 315	<b>M</b>	
Dong, Eugene, Jr., <i>Palo Alto</i> .....	11	Macdonald, Ian, <i>Los Angeles</i> .....	184
Dorsey, Clete S., <i>Pasadena</i> .....	412	Magee, Margaret, <i>San Francisco</i> .....	273
<b>F</b>		Mandell, Arnold J., <i>Los Angeles</i> .....	251
Feldman, Sanford E., <i>San Francisco</i> .....	438	Marine, Wallace C., Jr., <i>Los Angeles</i> .....	277
Fish, Charles H., <i>Costa Mesa</i> .....	109	Marmor, Leonard, <i>Los Angeles</i> .....	409
Fox, J. DeWitt, <i>Glendale</i> .....	354	Marxer, W. L., <i>Beverly Hills</i> .....	35
Franklin, Roland G., <i>San Diego</i> .....	283	McDermott, John C., <i>Los Angeles</i> .....	96
Frazier, Donald B., <i>San Diego</i> .....	401	McDonald, Richard T., <i>San Diego</i> .....	257
Friedell, Gilbert H., <i>Cambridge, England</i> .....	254	McKenna, Robert J., <i>Los Angeles</i> .....	184
<b>G</b>		Mehnert, John H., <i>San Diego</i> .....	342
Ganem, Kenneth, <i>La Jolla</i> .....	254	Mikity, V. G., <i>Los Angeles</i> .....	41
Gardner, Richard E., <i>San Francisco</i> .....	75	Miles, Charles P., <i>Palo Alto</i> .....	21
Garfinkel, Harold, <i>Los Angeles</i> .....	30	Mitchell, Sidney P., <i>Palo Alto</i> .....	80
Goldman, Ralph, <i>Los Angeles</i> .....	388	Moeller, Hugo C., <i>San Francisco</i> .....	94
Gonzalez, Richard I., <i>San Mateo</i> .....	347	Montgomery, Theodore A., <i>Berkeley</i> .....	190
Goodlin, Robert C., <i>Palo Alto</i> .....	312	Morrison, John G., <i>San Leandro</i> .....	162
<b>H</b>		Morrissey, L. M., <i>El Cajon</i> .....	335
Hammes, Laurel, <i>Berkeley</i> .....	190	Moses, James J., <i>San Diego</i> .....	401
Harrington, Robert W., <i>Los Angeles</i> .....	384	Murray, Dwight H., <i>Napa</i> .....	157
Hartman, Milton M., <i>San Francisco</i> .....	262	Mustacchi, Piero, <i>San Francisco</i> .....	196
Hassard, Howard, <i>San Francisco</i> .....	223, 296, 300	<b>O</b>	
Hecker, Sydney P., <i>Palo Alto</i> .....	80	Olsen, Arthur M., <i>Rochester, Minnesota</i> .....	237
Hoagland, Paul I., <i>Pasadena</i> .....	163	<b>P</b>	
Hodgman, John E., <i>Los Angeles</i> .....	41	Pallette, Edward C., <i>Los Angeles</i> .....	384
Hurley, Edward J., <i>Palo Alto</i> .....	11	Pallette, Edward M., <i>Los Angeles</i> .....	384
		Paolini, E. R., <i>San Francisco</i> .....	166
		Papac, Rose J., <i>San Francisco</i> .....	420
		Parrish, Elizabeth, <i>San Francisco</i> .....	273
		Paul, Norman W., <i>Burbank</i> .....	337
		Payne, John R., <i>Woodland</i> .....	330
		Perlman, Frank, <i>Portland, Oregon</i> .....	1
		Prentiss, Robert J., <i>San Diego</i> .....	401

#### KEY TO ABBREVIATIONS USED

(Or.)—Original Article; (Ed.)—Editorial; (CMA)—California Medical Association; (CR)—Case Report; (I)—Information; (LE)—Letters to the Editor; (PE)—Page End.

R	
Reeder, Leo G., <i>Los Angeles</i> .....	270
Regan, James F., <i>Los Angeles</i> .....	414
Reynolds, T. Eric, <i>Oakland</i> .....	156
Rider, J. Alfred, <i>San Francisco</i> .....	94
Rivin, Arthur U., <i>Los Angeles</i> .....	267
Rivkin, Laurence M., <i>San Francisco</i> .....	75
Robinson, Benjamin R., <i>Woodland</i> .....	330
Robinson, George B., <i>Vallejo</i> .....	273
Rosen, Alexander C., <i>Los Angeles</i> .....	30
Rumbaugh, Duane M., <i>San Diego</i> .....	406

S	
Salmons, James A., <i>Santa Cruz</i> .....	118
Schottstaedt, Edwin R., <i>San Francisco</i> .....	273
Sharpe, John C., <i>Beverly Hills</i> .....	35
Shubin, Herbert, <i>Los Angeles</i> .....	86
Shumway, Norman E., <i>Palo Alto</i> .....	11, 280
Skorneck, Alan B., <i>Torrance</i> .....	181
Smilkstein, Gabriel, <i>Claremont</i> .....	350
Smith, Ernest T., <i>Santa Barbara (LE)</i> .....	67
Solomon, Frank A., Jr., <i>San Francisco</i> .....	114

Sommers, Sheldon C., <i>La Jolla</i> .....	254
Spetz, Marseille, <i>Arcata (LE)</i> .....	437
Stephenson, William H., <i>Santa Barbara (LE)</i> .....	67
Stofer, Raymond C., <i>Palo Alto</i> .....	11
Stoller, Robert J., <i>Los Angeles</i> .....	30
Sudrann, Robert B., <i>Los Angeles</i> .....	86

T	
Tabor, George L., <i>San Diego</i> .....	112
Tuttle, Stewart, <i>Los Angeles</i> .....	388

W	
Watts, Malcolm S. M., <i>San Francisco</i> .....	298
Weickgenant, Charles J., <i>San Diego</i> .....	401
Weil, Max H., <i>Los Angeles</i> .....	86
Wheeler, Omer W., <i>Riverside</i> .....	428
Whitsell, Leon J., <i>San Francisco</i> .....	14
Wilmer, Harry A., <i>Palo Alto</i> .....	173
Wood, David A., <i>San Francisco</i> .....	420
Woodruff, John H., Jr., <i>Torrance</i> .....	181

Y	
Younger, Carl B., <i>Los Angeles</i> .....	251

## SUBJECT INDEX

A	
A.M.A. Denver Meeting (CMA).....	51
A.M.A. Education and Research Foundation (I).....	227
Abnormalities, Congenital, The Timing and Management of Surgical Reconstruction in Infancy and Childhood, Robert N. Chase (Or.).....	396
Acute Necrotizing Phlegmonous Gastritis, Roland G. Franklin (CR).....	283
Aerosol Therapy in Bronchopulmonary Disease—A Critical Evaluation, Arthur M. Olsen (Or.).....	237
Aged, Medical Aid to the (Ed.).....	120
Aggressive Treatment of Spontaneous Pneumothorax, Sydney P. Hecker, Robert W. Jamplis and Sidney P. Mitchell (Or.).....	80
Aging, Sociocultural Aspects of, Medical Points of View, Leo G. Reeder (Or.).....	270
Agricultural Workers and Organophosphorous Pesticides, see <i>Committee on Occupational Health</i> .....	364
Amphetamines, see <i>Effect of Amphetamines</i> .....	109
Anencephaly, Ten Year Study of, Gabriel Smilkstein (Or.).....	350
Anesthesia, Local, in Ophthalmology, George L. Tabor (Or.).....	112
Another Annual Meeting (Ed.).....	426
Another First (Ed.).....	359
Arterial Homografts—Long Term Observation of Results, Robert W. Harrington, Edward C. Palette, and Edward M. Palette (Or.).....	384
Asthma Alternating with Psychiatric Symptomatology, Arnold J. Mandell and Carl B. Younger (Or.).....	251
Asthma, Bronchial, Patterns of Morbidity and Mortality in the United States, 1951-1959, Piero Mustacchi, Salvatore P. Lucia and Liliana Jassy (Or.).....	196
Atherosclerosis—Present Status of the Management of the Disease, Louis N. Katz (Or.).....	373

B	
Birth Certificates, Live, Evaluation of Medical and Health Data in California, Theodore A. Montgomery, Arline Lewis and Laurel Hammes (Or.).....	190
Blue Shield Concept, Dwight H. Murray (Or.).....	157
British Experiment, A Tragic—Social Health, Warren L. Bostick (CMA).....	206

Bronchial Asthma—Patterns of Morbidity and Mortality in the United States, 1951-1959, Piero Mustacchi, Salvatore P. Lucia and Liliana Jassy (Or.).....	196
Bronchopulmonary Disease, Aerosol Therapy in, A Critical Evaluation, Arthur M. Olsen (Or.).....	237

C	
C.M.A. Organizational Activities (Howard Hassard) (I).....	300
C.M.A. President-Elect, Samuel R. Sherman (CMA).....	429
C.M.A. Scientific Board, Omer W. Wheeler (CMA).....	428
C.M.A.-C.P.S. Liaison Committee, Donald D. Lum (Or.).....	159
C.M.A.'s First Purpose (Ed.).....	205
C.P.S. Administration, The, E. R. Paolini (Or.).....	166
California Academy of General Practice, Letter to Editor re November article on, William H. Stephenson and Ernest T. Smith (LE).....	67
California Physicians' Service:	
1. California Physicians' Service, T. Eric Reynolds....	156
2. The Blue Shield Concept, Dwight H. Murray.....	157
3. The C.M.A.-C.P.S. Liaison Committee, Donald D. Lum.....	159
4. The Origins and Objectives of C.P.S., John G. Morrison.....	162
5. The Effect of a Service Type Medical Care Program on the Practice of Medicine, Paul I. Hoagland.....	163
6. The Financial Responsibilities of California Physicians' Service, Ransom M. Cook.....	165
7. The C.P.S. Administration, E. R. Paolini.....	166
Cancer Chemotherapy, Current Concepts of, Rose J. Papac and David A. Wood (Or.).....	420
Cancer: Unproven Methods of Diagnosis and Treatment (I).....	297
Carcinoma of Cowper's Gland—Report of the Eleventh Case, Ector Le Duc (CR).....	44
Carcinoma of the Eyelid Treated by Irradiation—Analysis of 157 Primary and 22 Recurrent Cases, Robert J. McKenna and Ian Macdonald (Or.).....	184
Carcinoma of the Floor of the Mouth: Successful Results with Monoblock Resection and Suprahoid Dissection in Early Lesions, Richard Thomas Barton (Or.).....	381

Cardiac Resuscitation Through the Intact Chest, Laurence M. Rivkin and Richard E. Gardner (Or.)	75
Cardiovascular System, Selectivity in the Study of, Herbert L. Abrams (Or.)	149
Cerebral Palsy—The Correlation of Clinical and Pathological Observations, Peter Cohen (Or.)	102
Childhood and Infancy, <i>see Congenital Abnormalities</i>	
Colon and Rectum, Malignant Lymphoma of the, Roentgen Diagnosis, John H. Woodruff, Jr., and Alan B. Skorneck (Or.)	181
Committee on Occupational Health:	
4. Standing Orders—Are You Liable?	58
5. The Rural Occupational Health Paradox	127
6. "Minor" Help in Emergencies	215
7. Release for Work	293
8. New Law Requiring Medical Supervision for California's Agricultural Workers Using Organophosphorous Pesticides	364
9. "You Gotta Have Heart"	435
Congenital Abnormalities—The Timing and Management of Surgical Reconstruction in Infancy and Childhood, Robert N. Chase (Or.)	396
Congenital Aortic Sinus Aneurysm, Ruptured, Report of a Case Successfully Corrected Following Aortographic Demonstration, Richard A. Kramer and Norman E. Shumway (CR)	280
Continuing Education and Scientific Activities (CMA)	211
Corporation Proposals, Professional, Howard Hassard (I)	296
Cowper's Gland, Carcinoma of, Report of the Eleventh Case, Ector Le Duc (CR)	44
Current Concepts of Cancer Chemotherapy, Rose J. Papac and David A. Wood (Or.)	420
Cysts, Peripelvic Renal, Miguel Angel Llanos (CR)	201
Cytogenetic Abnormality in Man—Wider Implications of Theories of Sex Chromatin Origin, Charles P. Miles (Or.)	21
<b>D</b>	
Dermatitis, Plant, in California, Clete S. Dorsey (Or.)	412
Diabetes, Neurologic Complications of, Leon J. Whitsell (Or.)	14
Dimethylpyrindene—Use in High Dosage Hyposensitization Therapy; Prevention of Constitutional and Excessive Local Reactions, Milton M. Hartman (Or.)	262
Dura Mater, Freeze-Dried Human, for Closure of Dural Defects, <i>see Human Dural Homografts</i>	354
Dural Defects, Closure of, <i>see Human Dural Homografts</i>	354
Dural Homografts, Human, Freeze-Dried Human Dura Mater for Closure of Dural Defects, J. DeWitt Fox (Or.)	354
<b>E</b>	
Effect of a Service Type Medical Care Program on the Practice of Medicine, Paul I. Hoagland (Or.)	163
Effect of Amphetamines on Speech Defects in the Mentally Retarded, Charles A. Fish and Evelyn Bowling (Or.)	109
Erythroblastosis Fetalis—Obstetrical Management, Robert C. Goodlin (Or.)	312
Esophageal Complications, Postoperative, Prevention and Treatment of, J. Alfred Rider and Hugo C. Moeller (Or.)	94
Extremity, Upper, Functional Bracing of the, Edwin R. Schottstaedt, Margaret Magee, Elizabeth Parrish and George E. Robinson (Or.)	273

Eye Operations, General Anesthesia for, A Consideration of Some Pertinent Factors Involved in Administration, Charles P. Coman (Or.)	26
--	----

## F

Felt, Uses of, in Industrial Practice, Norman W. Paul (Or.)	337
Financial Responsibilities of California Physicians' Service, The, Ransom M. Cook (Or.)	165
Foreign Body as a Cause of Baffling Symptoms, John H. Mehnert and William E. Kroutil (Or.)	342
Functional Bracing of the Upper Extremity, Edwin R. Schottstaedt, Margaret Magee, Elizabeth Parrish and George B. Robinson (Or.)	273

## G

Gastritis, Acute Necrotizing Phlegmonous, Roland G. Franklin (CR)	283
Gastroduodenal Hemorrhage: Surgical Management, Andrew More Desmond (Or.)	245
General Anesthesia for Eye Operations—A Consideration of Some Pertinent Factors Involved in Administration, Charles P. Coman (Or.)	26
Glomerulonephritis, Sporadic Acute, in Adults, Ralph Goldman and Stewart Tuttle (Or.)	388
Green Light (Ed.)	358

## H

Heart Disease, Work Potential in Persons with, Duane M. Rumbaugh and William J. Kuzman (Or.)	406
Hematoma, Perirenal, in Newborn Infants, V. G. Mikity, John E. Hodgman and Alonzo B. Cass (CR)	41
Hemorrhage, Gastroduodenal: Surgical Management, Andrew More Desmond (Or.)	245
Hippocrates, Oath of, Marseille Spetz (LE)	437
Homografts, Arterial, Long Term Observation of Results, Robert W. Harrington, Edward C. Pallette, and Edward M. Pallette (Or.)	384
Homografts, Human Dural, Freeze-Dried Human Dura Mater for Closure of Dural Defects, J. DeWitt Fox (Or.)	354
Human Dural Homografts—Freeze-Dried Human Dura Mater for Closure of Dural Defects, J. DeWitt Fox (Or.)	354
Hypercholesterolemia—Use of Niacin and Niacin Combinations in Therapy, Arthur U. Rivin (Or.)	267
Hysterectomy, Reflections on, John C. McDermott (Or.)	96
Reflections on Hysterectomy, Letters to Editor, Sanford E. Feldman	438

## I

Improving Surgical Care (W. H. Stephenson and E. T. Smith) (LE)	67
Industrial Practice, Uses of Felt in, Norman W. Paul (Or.)	337
Infancy and Childhood, <i>see Congenital Abnormalities</i>	
Injuries, Multiple, Management (of) Patients with, in Office Practice, Leonard Marmor (Or.)	409
Insects as Allergen Injectants—Severe Reactions to Bites and Stings of Arthropods, Frank Perlman (Or.)	1
Intersexed Patients, Psychiatric Management of, Robert J. Stoller, Harold Garfinkel and Alexander C. Rosen (Or.)	30

## L

Lapses of Consciousness Reportable as Epilepsy (C.M.A. Traffic Safety Committee) (I)	225
License, Your, and the Law, James F. Regan (Or.)	414

Live Birth Certificates—Evaluation of Medical and Health Data in California, Theodore A. Montgomery, Arline Lewis and Laurel Hammes (Or.)	190
Local Anesthesia in Ophthalmology, George L. Tabor (Or.)	112
Lymphoma, Malignant, of the Colon and Rectum, Roentgen Diagnosis, John H. Woodruff, Jr., and Alan B. Skorneck (Or.)	181

# M

Malignant Lymphoma of the Colon and Rectum—Roentgen Diagnosis, John H. Woodruff, Jr., and Alan B. Skorneck (Or.)	181
Medical Aid to the Aged (Ed.)	120
Medical Care, Tax-Supported, for California's Children, Where Should It Be Going?, Leslie Corsa, Jr., and R. Bruce Jessup (Or.)	98
Medical Center, Transference to a, A Cultural Dimension in Healing, Harry W. Wilmer (Or.)	173
Meigs' Syndrome: Report of a Typical Case, John C. Budicin and Wallace C. Marine, Jr. (CR)	277
Mental Hygiene (Ed.)	204
Mentally Retarded, see <i>Effect of Amphetamines</i>	109
"Minor" Help in Emergencies; see <i>Committee on Occupational Health</i>	215
Mouth, Carcinoma of the, Successful Results with Monoblock Resection and Suprahyoid Dissection in Early Lesions, Richard Thomas Barton (Or.)	381
Multiple Injuries, see <i>Patients with</i>	

# N

Neurologic Complications of Diabetes, Leon J. Whitsell, San Francisco (Or.)	14
New Law Requiring Medical Supervision for California's Agricultural Workers Using Organophosphorous Pesticides—see <i>Committee on Occupational Health</i>	364
Niacin and Niacin Combinations, Use of, in Therapy (Treatment of) Hypercholesterolemia, Arthur U. Rivin (Or.)	267
Not Unless Licensed—Court Holds Not Even Skilled or Proficient Persons, If Unlicensed, May Perform Acts That Are Medical or Surgical in Character, Howard Hassard, Legal Counsel C.M.A. (I)	223

# O

Oath of Hippocrates, The, Marseille Spetz (LE)	437
Occupational Health, Rural, Paradox, see <i>Committee on Occupational Health</i>	
Office Practice, Management of Patients with Multiple Injuries in, Leonard Marmor (Or.)	409
Old Age Assistance—A Report by the Bureau of Research and Planning (I)	226
Open Heart Operations—Results in 100 Consecutive Cases, Using Extracorporeal Circulation, Norman E. Shumway, Raymond C. Stofer, Richard R. Lower, Edward J. Hurley and Eugene Dong, Jr. (Or.)	11
Ophthalmology, Local Anesthesia in, George L. Tabor (Or.)	112
Organophosphorous Pesticides, see <i>Committee on Occupational Health</i>	364
Origins and Objectives of C.P.S., John G. Morrison (Or.)	162
Osteopathic Unification (Constitutional Amendments and By-Law Amendment) (CMA)	363
Ovarian Thecomatosis, A Study of, Kenneth Ganem, Gilbert H. Friedell and Sheldon C. Sommers (Or.)	254
Oxytetracycline and Intradermal Toxoid, Administration of, with Restricted Use of Tetanus Antitoxin, see <i>Tetanus Prophylaxis in the Unimmunized</i>	257

# P

Patients with Multiple Injuries—Management in Office Practice, Leonard Marmor (Or.)	409
Peptic Ulcer, Perforated, Selective Gastric Resection in Emergency Treatment, Andrew More Desmond (Or.)	315
Perforated Peptic Ulcer—Selective Gastric Resection in Emergency Treatment, Andrew More Desmond (Or.)	315
Peripelvic Renal Cysts, Miguel Angel Llanos (CR)	201
Perirenal Hematoma in Newborn Infants, V. G. Mikity, John E. Hodgman and Alonzo B. Cass (CR)	41
Pesticides, Organophosphorous, see <i>Committee on Occupational Health</i>	364
Physical Examination of Well Persons—What Is "Adequate" for Detection of Unsuspected Disease?, John C. Sharpe and W. L. Marxer (Or.)	35
Physician, Nonpsychiatric, A Concept (of) Psychotherapy for the, J. P. Kahn (Or.)	321
Plant Dermatitis in California, Clete S. Dorsey (Or.)	412
Playing Politics with the Aged (I)	368
Pneumothorax, Spontaneous, Aggressive Treatment of, Sydney P. Hecker, Robert W. Jamplis and Sidney P. Mitchell (Or.)	80
Poisoning, Phosphate, A Valuable Agent for, Pyridine-2-Aldoxime-Methiodide, John R. Payne and Benjamin R. Robinson (Or.)	330
Political Action, Time for (Ed.)	48
Pork Barrels and Health, Warren L. Bostick (CMA)	122
Positive Program, A (PE)	49
Postoperative Esophageal Complications—Prevention and Treatment, J. Alfred Rider and Hugo C. Moeller (Or.)	94
President-Elect, C.M.A., Samuel R. Sherman (CMA)	429
Professional Corporation Proposals, Howard Hassard (I)	296
Proposed Constitutional and By-Law Amendments (CMA)	137
Psychiatric Management of Intersexed Patients, Robert J. Stoller, Harold Garfinkel and Alexander C. Rosen (Or.)	30
Psychiatric Symptomatology, Asthma Alternating with, Arnold J. Mandell and Carl B. Younger (Or.)	251
Psychotherapy—A Concept for the Non-Psychiatric Physician, J. P. Kahn (Or.)	321
Public Relations and Performance, Malcolm S. M. Watts (I)	298
Pyridine-2-Aldoxime Methiodide—A Valuable Agent for Phosphate Poisoning, John R. Payne and Benjamin R. Robinson (Or.)	330

# R

Reactions, Severe, to Bites and Stings of Arthropods, Insects As Allergen Injectants, Frank Perlman (Or.)	1
Rectum and Colon, Malignant Lymphoma of the, Roentgen Diagnosis, John H. Woodruff, Jr., and Alan B. Skorneck (Or.)	181
Reflections on Hysterectomy, John C. McDermott (Or.)	96
Reflections on Hysterectomy, Letters to Editor, Sanford E. Feldman	438
"Release for Work"—see <i>Committee on Occupational Health</i>	
Renal Cysts, Peripelvic, Miguel Angel Llanos (CR)	201
Repair of Injuries to Soft Tissues of Fingers—Primary and Secondary Reconstruction, Richard I. Gonzalez and Harry J. Buncke, Jr. (Or.)	347
Responsibilities of Excellence, The (Presidential Address), Warren L. Bostick (Or.)	309

Resuscitation, Cardiac, Through the Intact Chest, Laurence M. Rivkin and Richard E. Gardner (Or.)	75
Ruptured Congenital Aortic Sinus Aneurysm—Report of a Case Successfully Corrected Following Aortographic Demonstration, Richard A. Kramer and Norman E. Shumway (CR)	280
Rural Occupational Health Paradox—see <i>Committee on Occupational Health</i>	

## S

Sarcoidosis: A Case with Extensive Metastatic Calcification, Renal Failure and Favorable Response to Steroid Therapy, Donald R. Carson and Frank A. Solomon, Jr. (CR)	114
Scientific Board, Omer W. Wheeler (CMA)	428
SCUBA Diving and the California Physician, L. M. Morrisset (Or.)	335
Selectivity in the Study of the Cardiovascular System, Herbert L. Abrams (Or.)	149
Sherman, Samuel R., C.M.A. President-Elect (CMA)	429
Shock, Endotoxic, Treatment of, The Dilemma of Vasopressor and Vasodilator Therapy, Max H. Weil, Robert B. Sudrann and Herbert Shubin (Or.)	86
Sinus Aneurysm, see <i>Ruptured Congenital, etc.</i>	280
Socialized Health—A Tragic British Experiment, Warren L. Bostick (CMA)	206
Sociocultural Aspects of Aging—Medical Points of View, Leo G. Reeder (Or.)	270
Speech Defects, see <i>Effect of Amphetamines</i>	109
Sporadic Acute Glomerulonephritis in Adults, Ralph Goldman and Stewart Tuttle (Or.)	388
Standing Orders—Are You Liable?, see <i>Committee on Occupational Health</i>	
Study of Ovarian Thecomatosis, A, Kenneth Ganem, Gilbert H. Friedell and Sheldon C. Sommers (Or.)	254
Summitmanship, Warren L. Bostick (CMA)	287
Surgical Repair of Undescended Testicle, Robert J. Prentiss, Charles J. Weickgenant, James J. Moses, and Donald B. Frazier (Or.)	401

## T

Tax-Supported Medical Care for California's Children—Where Should It Be Going?, Leslie Corsa, Jr., and R. Bruce Jessup (Or.)	98
Ten-Year Study of Anencephaly, Gabriel Smilkstein (Or.)	350
Testicle, Undescended, Surgical Repair of, Robert J. Prentiss, Charles J. Weickgenant, James J. Moses and Donald B. Frazier (Or.)	401
Tetanus Antitoxin, see <i>Tetanus Prophylaxis in the Unimmunized</i>	257
Tetanus Prophylaxis in the Unimmunized—Administration of Oxytetracycline and Intradermal Toxoid, with Restricted Use of Tetanus Antitoxin, Richard T. McDonald, Howard B. Kirtland, Jr., and Roland G. Brown (Or.)	257
Thecomatosis, Ovarian, A Study of, Kenneth Ganem, Gilbert H. Friedell and Sheldon C. Sommers (Or.)	254
Third Man Theme, Warren L. Bostick (CMA)	50
Thorny Child, James L. Dennis (Or.)	89
Time for Political Action (Ed.)	48
Traffic Safety—Lapses of Consciousness Reportable as Epilepsy (C.M.A. Traffic Safety Committee) (I)	225
Transference to a Medical Center—A Cultural Dimension in Healing, Harry A. Wilmer (Or.)	173
Treatment of Endotoxic Shock—The Dilemma of Vasopressor and Vasodilator Therapy, Max H. Weil, Robert B. Sudrann and Herbert Shubin (Or.)	86

## U

Ulcer, Perforated Peptic, Selective Gastric Resection in Emergency Treatment (of), Andrew More Desmond (Or.)	315
Undescended Testicle, Surgical Repair of, Robert J. Prentiss et al.	401
Uses of Felt in Industrial Practice, Norman W. Paul (Or.)	337

## V

Vasopressor and Vasodilator Therapy, The Dilemma of (in) Treatment of Endotoxic Shock, Max H. Weil, Robert B. Sudrann and Herbert Shubin (Or.)	86
Vitamin D Intoxication, James A. Salmons (CR)	118

## W

Work Potential in Persons with Heart Disease, The, Duane M. Rumbaugh and William J. Kuzman (Or.)	406
--	-----

## Y

"You Gotta Have Heart"—see <i>Committee on Occupational Health</i>	
Your License and the Law, James F. Regan (Or.)	414

## EDITORIALS

Another Annual Meeting	426
Another First	359
C.M.A.'s First Purpose	205
Green Light	358
Medical Aid to the Aged	120
Mental Hygiene	204
Time for Political Action	48

## CALIFORNIA MEDICAL ASSOCIATION

Council Meeting Minutes:	
474th Meeting, November 11, 1961	54
475th Meeting, December 9, 1961	123
476th Meeting, January 13, 1962	207
477th Meeting, February 16, 1962	288
478th Meeting, March 17, 1962	360
479th Meeting, April 14-17, 1962	430
480th Meeting, April 18, 1962	432
A.M.A. Denver Meeting	51
Committee on Occupational Health:	
4. Standing Orders—Are You Liable?	58
5. The Rural Occupational Health Paradox	127
6. "Minor" Help in Emergencies	215
7. "Release" for Work	293
8. New Law Requiring Medical Supervision for California's Agricultural Workers Using Organophosphorous Pesticides	364
9. "You Gotta Have Heart"	435
Continuing Education and Scientific Activities	211
Osteopathic Unification (Constitutional Amendments and By-Law Amendment)	363
Positive Program, A (PE)	49
President's Page:	
The Third Man Theme	50
Pork Barrels and Health	122
Socialized Health—A Tragic British Experiment	206
Summitmanship	287
Scientific Board	428
Proposed Constitutional and By-Law Amendments	137
Samuel R. Sherman, C.M.A. President-Elect	429

## I N F O R M A T I O N

A.M.A. Education and Research Foundation.....	227
C.M.A. Organizational Activities (Howard Hassard).....	300
Cancer: Unproven Methods of Diagnosis and Treatment.....	297
Not Unless Licensed—Court Holds Not Even Skilled or Proficient Persons, If Unlicensed, May Perform Acts That Are Medical or Surgical in Character, Howard Hassard, Legal Counsel C.M.A.....	223
Old Age Assistance—A Report by the Bureau of Research and Planning.....	226
Playing Politics with the Aged.....	368
Professional Corporation Proposals, Howard Hassard.....	296
Public Relations and Performance, Malcolm S. M. Watts.....	298
Traffic Safety—Lapses of Consciousness Reportable as Epilepsy (C.M.A. Traffic Safety Committee).....	225

## B O O K   R E V I E W S

Adrenal Cortex, The, <i>Moon</i> .....	70	Handbook on Clinical Electromyography, <i>Pearson</i> .....	147
Appraisal of Current Concepts in Anesthesiology, <i>Adriani</i> .....	306	Health in Industry, <i>Browne</i> .....	304
Carcinoma of the Cervix, <i>Graham et al.</i> .....	440	Hemodynamics of Aortic and Mitral Valve Disease, <i>Gordon et al.</i> .....	308
Cardiovascular Surgery, A Manual for Nurses, <i>Peddie and Brush</i> .....	73	Heredity in Ophthalmology, <i>Francois</i> .....	69
Cerebral Vascular Diseases—Third Conference, <i>Millikan et al.</i> .....	306	Human Adrenal Gland, <i>Soffer et al.</i> .....	72
Cervix Uteri, The, <i>Fluhmann</i> .....	232	Hypertension, <i>Mendlowitz</i> .....	74
Ciba Foundation Study Group No. 6, Metabolic Effects of Adrenal Hormones, <i>Wolstenholme and O'Connor</i> .....	70	Hypertension—Recent Advances, <i>Brest and Moyer</i> .....	444
Ciba Foundation Symposium—The Nature of Sleep, <i>Wolstenholme and O'Connor</i> .....	72	Immunity—2nd Ed., <i>Raffel</i> .....	146
Clinical Hematology—5th Ed., <i>Wintrobe</i> .....	70	<i>International Medical Congress, Ltd.</i> , First International Conference on Congenital Malformations.....	445
Clinical Obstetrics, <i>Tenney and Little</i> .....	234	Introduction to Anesthesia—2nd Ed., <i>Dripps et al.</i> .....	235
Comparative Epidemiology of Mental Disorders, <i>Hoch and Zubin</i> .....	307	Man and Sex, <i>Kaufman and Borgeson</i> .....	146
Compleat Pediatrician, The, 8th Rev. Ed., <i>Davidson and Levinthal</i> .....	233	Management of Hypertensive Diseases, <i>Edwards</i> .....	71
Congenital Malformations, First International Conference on.....	445	Manual of Cutaneous Medicine, A, <i>Pillsbury et al.</i> .....	74
Control of the Mind, <i>Farber and Wilson</i> .....	442	Measurements of Exocrine and Endocrine Functions of the Pancreas, <i>Sunderman and Sunderman, Jr.</i> .....	305
Coronary Vasodilators, <i>Charlier</i> .....	69	Mechanisms of Disease, <i>Perez-Tamayo</i> .....	304
Course in Epidemiology, A, <i>Elkin</i> .....	147	Medical Physiology—11th Ed., <i>Bard</i> .....	146
David Edwardes Introduction to Anatomy (1532), <i>O'Malley and Russell</i> .....	305	Medicine and the Navy—1200-1900—Vol. III, 1714-1815— <i>Lloyd and Coulter</i> .....	305
Diagnosis and Therapy of the Glaucomas, <i>Becker and Shaffer</i> .....	441	Medicine Show, <i>Consumers Union</i> .....	74
Disturbances of Heart Rate, Rhythm and Conduction, <i>Corday and Irving</i> .....	235	Metabolic Effects of Adrenal Hormones, Ciba Foundation Study Group No. 6, <i>Wolstenholme and O'Connor</i> .....	70
Doctor Business, The—Revised Edition, <i>Carter</i> .....	235	Mirror Up to Medicine, A, <i>Corcoran</i> .....	73
Early Detection and Diagnosis of Cancer, <i>O'Donnell et al.</i> .....	443	Milieu Therapy in Schizophrenia, <i>Artiss</i> .....	444
Essays on the First Hundred Years of Anaesthesia—Vol. II, <i>Sykes</i> .....	147	Nature of Essential Hypertension, The, <i>Pickering</i> .....	308
Essential Pathology, <i>Baker</i> .....	73	Nature of Sleep—Ciba Foundation Symposium, <i>Wolstenholme and O'Connor</i> .....	72
Essentials of Neurosurgery for Students and Practitioners, <i>Mullan</i> .....	445	Ophthalmic Pathology—2nd Ed., <i>Hogan and Zimmerman</i> .....	442
Exercise Electrocardiogram in Office Practice, <i>Dimond</i> .....	233	Pathologic Physiology—3rd Ed., <i>Sodeman</i> .....	441
Eye Symptoms in Brain Tumors, <i>Huber</i> .....	234	Pathology—4th Ed., <i>Anderson</i> .....	148
First International Conference on Congenital Malformations, <i>The International Medical Congress, Ltd.</i> .....	445	Pathology of the Fetus and Infant—2nd Ed., <i>Potter</i> .....	304
Forensic Medicine—4th Ed., <i>Simpson</i> .....	442	Pathology of Tumors, 3rd Ed., <i>Willis</i> .....	71
Fundamental Approach to Surgical Problems, <i>Williams and Wynne</i> .....	440	Pharmacologic Principles of Medical Practice, The—5th Ed., <i>Krantz and Carr</i> .....	307
		Physical Diagnosis—6th Ed., <i>Major and Delp</i> .....	443
		Practitioner's Handbook, <i>Thomson</i> .....	233
		Progress in Medical Genetics, Vol. I, <i>Steinberg</i> .....	148
		Psychiatry, <i>Gregory</i> .....	234
		Rehabilitation of a Child's Eyes—3rd Ed., <i>Katzin and Wilson</i> .....	232
		Relief of Symptoms, 2nd Ed., <i>Modell</i> .....	306
		Science of Dreams, The, <i>Diamond</i> .....	443
		Scientific Aspects of Neurology, <i>Garland</i> .....	70
		Somatic Treatments in Psychiatry, <i>Kalinowsky and Hoch</i> .....	445
		Stages of Human Development Before Birth, The, <i>Bleischmidt</i> .....	441
		Stapes Surgery for Otosclerosis, <i>Goodhill</i> .....	307
		Surgery of Mitral Stenosis, <i>Glover and Davila</i> .....	73
		Symptom Diagnosis—5th Ed., <i>Yater and Oliver</i> .....	445
		Thalassemia, <i>Bannerman</i> .....	440
		Therapeutic Exercise—2nd Ed., <i>Licht</i> .....	233
		Therapeutic Exercises, <i>Huddleston</i> .....	305
		Thoracic Diseases, <i>Rubin and Rubin</i> .....	444
		Treatment of Emotional Problems in Office Practice, <i>Tallman</i> .....	71
		Tropical Radiology, <i>Middlemiss</i> .....	444
		Year Book of Obstetrics and Gynecology (1961-1962 Year Book Series), <i>Greenhill</i> .....	148

## DEATHS

Abels, Daniel W., Sacramento, Jan. 7, 1962.....	135	Jackson, C. L. (Cleveland), San Diego, April 9, 1962....	365
Adams, Harold Giamboni, Los Angeles, Nov. 7, 1961.....	59	Kearney, Francis Kissack, Hayward, March 3, 1962.....	292
Ahl, Gustav Algot, Los Angeles, Dec. 30, 1961.....	135	Kilbourne, Edwin Dearborn, Los Altos, Feb. 26, 1962....	292
Allen, Alfred G., Sacramento, Dec. 11, 1961.....	135	Knight, Louise Caroline, San Francisco, Nov. 14, 1961..	221
Amaral, Francis M., San Diego, May 5, 1962.....	433	Knopf, Benjamin William, Oakland, Nov. 22, 1961.....	59
Anderson, Frank Russell, Los Angeles, Nov. 19, 1961.....	59	Lager, Eddie Henry, Los Angeles, Jan. 28, 1962.....	221
Anderson, James G., Petaluma, Jan. 14, 1962.....	220	Lavine, Bernard, Los Angeles, Jan. 31, 1962.....	221
Armstrong, Charles D., Menlo Park, Jan. 11, 1962.....	135	Leibee, John R., Barney, Dec. 7, 1961.....	59
Ashley, Rea Ernest, San Francisco, March 18, 1962.....	365	Lery, Abraham Joseph, Northridge, March 15, 1962.....	365
Bachhuber, Carl A., Los Angeles, Jan. 21, 1962.....	220	Levin, Walter Nissen, Fresno, Feb. 12, 1962.....	292
Bachrach, Emil, Imola, Jan. 17, 1962.....	220	Matzen, Warren C., Beverly Hills, April 23, 1962.....	433
Ball, Elmer J., Los Angeles, April 16, 1962.....	365	McClatchey, Warren S., Springville, Nov. 25, 1961.....	59
Blair, Edward, Paso Robles, March 26, 1962.....	365	McClendon, Sam J., San Diego, Feb. 3, 1962.....	220, 221
Blak, Einar Viggo, San Francisco, March 15, 1962.....	292	McCarthy, Alphonsus Martin, Los Angeles, April 25, 1962 .....	433
Blosmo, Oscar J., Los Angeles, Dec. 8, 1961.....	135	Miller, Philip Joseph, Santa Monica, Feb. 28, 1962.....	292
Brazell, Edward H., Sacramento, July 16, 1961.....	220	Milo, Henry William (H. Wm.), Jan. 22, 1962.....	221
Brothers, Ridgeway H., Berkeley, Nov. 23, 1961.....	59	Moore, George Wilford, Los Angeles, April 26, 1962....	433
Brown, Albert Lincoln (A. Lincoln), San Francisco, April 15, 1962 .....	365	Morrow, Joseph R., Redwood City, April 18, 1962.....	433
Brunie, Leonard John, Pasadena, March 19, 1962.....	365	Mottram, Lloyd Daniel, Modesto, Jan. 10, 1962.....	135
Carlile, Morton N., Lakeside, Nov. 14, 1961.....	59	Nabours, Robert K., Chula Vista, Jan. 18, 1962.....	292
Cartwright, Eakle Wesley, Pasadena, Jan. 31, 1962.....	220	Olhoffer, Charles Joseph, Pasadena, Dec. 26, 1961.....	135
Cassidy, William Adrian, San Martin, Jan. 13, 1962.....	220	Ortman, Gareth S., Duarte, April 18, 1962.....	433
Commons, Robert Rayner, Los Angeles, Dec. 8, 1961.....	135	Palevsky, Samuel N., La Jolla, Dec. 7, 1961.....	135
Creek, Dale W., Santa Barbara, April 14, 1962.....	433	Parker, Robert Bassir, San Pedro, June 9, 1961.....	59
Danicich, Michael A., San Francisco, Dec. 1, 1961.....	59	Peers, Robert Stewart, Oakland, Jan. 19, 1962.....	292
Darby, John Sangster, Los Angeles, Jan. 6, 1962.....	135	Pelgen, John L., Murphys, Feb. 25, 1962.....	365
Deakins, Duane Devening, Murphys, Feb. 25, 1962.....	365	Robinson, Emery Irvin, Los Angeles, Nov. 23, 1961.....	292
Delmore, Robert Joseph, Inglewood, April 26, 1962.....	433	Robinson, John Wirt, Los Angeles, May 1, 1962.....	433
Drabkin, Charles, Los Angeles, April 11, 1962.....	365	Roome, Clarence T., Santa Barbara, Dec. 22, 1961.....	135
Dunne, Numa Pompilius, Oakland, April 3, 1962.....	365	Rosenkranz, Herbert Augustus, Los Angeles, Dec. 3, 1961 .....	59
Eidenmuller, William C., Jr., San Francisco, Jan. 31, 1962 .....	220	Ross, Moses Hodge, Los Angeles, Jan. 12, 1962.....	135
Ferrara, Rosario John, San Diego, Sept. 22, 1961.....	59	Ruff, Frank Roxborough, Fresno, June 30, 1961.....	59
Fertman, Mildred Been, San Francisco, March 6, 1962..	292	Schmitt, Earl O. G., San Jose, April 23, 1962.....	433
Fox, Charles Marvin, La Mesa, Jan. 10, 1962.....	135	Schmitz, William G., San Francisco, Dec. 6, 1961.....	59
Fox, Daniel Scott, Claremont, Dec. 25, 1961.....	220	Simpkin, John M., San Leandro, Jan. 15, 1962.....	221
Gailmard, Charles Raphael, Los Angeles, April 21, 1962	433	Slaughter, Howard C., Malibu, March 22, 1962.....	365
Gassman, Fred (Frederick J.), Long Beach, Dec. 18, 1961 .....	135	Smith, Marilyn Decker, Monterey, April 22, 1962.....	433
Gibbons, Francis C., Long Beach, Aug. 31, 1961.....	135	Stafford, Douglas Daniel, Alameda, Jan. 31, 1962.....	221
Gilfillan, Clarence D. N., Pomona, March 30, 1962.....	433	Stark, John Henderson, Oakland, April 12, 1962.....	365
Goldsmith, Solomon, Los Angeles, Feb. 14, 1962.....	292	Steckel, Morris Leo, Los Angeles, Dec. 18, 1961.....	135
Haakinson, William Herbert, Aptos, April 23, 1962.....	433	Stephens, Walter C., La Verne, Dec. 25, 1961.....	135
Hamilton, Harold Pierpont, Los Angeles, Jan. 25, 1962	365	Stephens, William Barclay, Alameda, Feb. 28, 1962.....	292
Hammons, Elizabeth Barnard, Los Angeles, Dec. 25, 1960 .....	433	Suski, Peter Marie, Los Angeles, August 31, 1961.....	59
Hansen, Alex Frederick J., Long Beach, Dec. 18, 1961	365	Szabo, Stephen Alvin, Long Beach, Nov. 24, 1961.....	59
Hermann, William Bernard, Anaheim, Nov. 17, 1961.....	59	Thomas, Elwin Wilton, Colton, April 9, 1962.....	433
Hinman, Frank, San Francisco, Dec. 17, 1961.....	135	Tucker, Royal Grover, Temple City, Jan. 28, 1962.....	221
Hongola, Russell Iver, Reedley, Feb. 11, 1962.....	292	Van Dyke, Harold Milton, Long Beach, April 22, 1962..	433
Hutchinson, William W., Ojai, Feb. 27, 1962.....	292	Williams, Geoffrey, Santa Monica, Nov. 8, 1961.....	59
Isquith, Samuel Alerd, Sherman Oaks, April 13, 1962....	365	Yerxa, Charles W., Los Angeles, April 27, 1962.....	433
		Yoder, Earl Henry, Los Angeles, Nov. 24, 1961.....	59
		Zelman, Julius, San Bernardino, April 24, 1962.....	433



## **Describe Diagnostic Test For Stomach Cancer**

A simple test has been devised which may enable physicians to solve the difficult problem of differentiating benign from malignant stomach disorders.

Drs. J. Edward Berk and Sheldon M. Kantor, Detroit, writing in the March 31 *Journal of the American Medical Association*, said the technique appears to be "valuable and reliable."

The test is based on a recent finding that the oral administration of tetracycline results in the appearance of fluorescent material in sediment from the stomach contents of patients with stomach cancer while no fluorescence appears in patients without cancer.

Tetracycline drugs themselves are fluorescent but the mechanism by which these antibiotics impart fluorescence to malignant tissue has not been discovered.

Drs. Berk and Kantor tested for fluorescence after ingestion of a tetracycline by normal subjects and patients with various stomach ailments.

The test was positive if a bright yellow glow appeared in the stomach contents removed from the subject, processed and viewed under an ultraviolet lamp, they said.

Fluorescence was found in 13 of a total of 58 tests, the authors said. The 13 patients included 10 with a malignancy of the stomach, two in whom a

"pre-malignant" condition was suspected, and one with "suspicious" cancer cells, they said.

The remaining 45 subjects with negative test results consisted of seven normal persons and 38 patients with benign stomach disorders, they said.

The authors are affiliated with Sinai Hospital of Detroit and Wayne State University College of Medicine.

## **New Brain Surgery Technique Aids Disabled Victims**

A new surgical technique has produced "gratifying" results in patients incapacitated as a result of one of the blood vessels of the brain becoming weakened and distended, according to an article in the March 24 *Journal of the American Medical Association*.

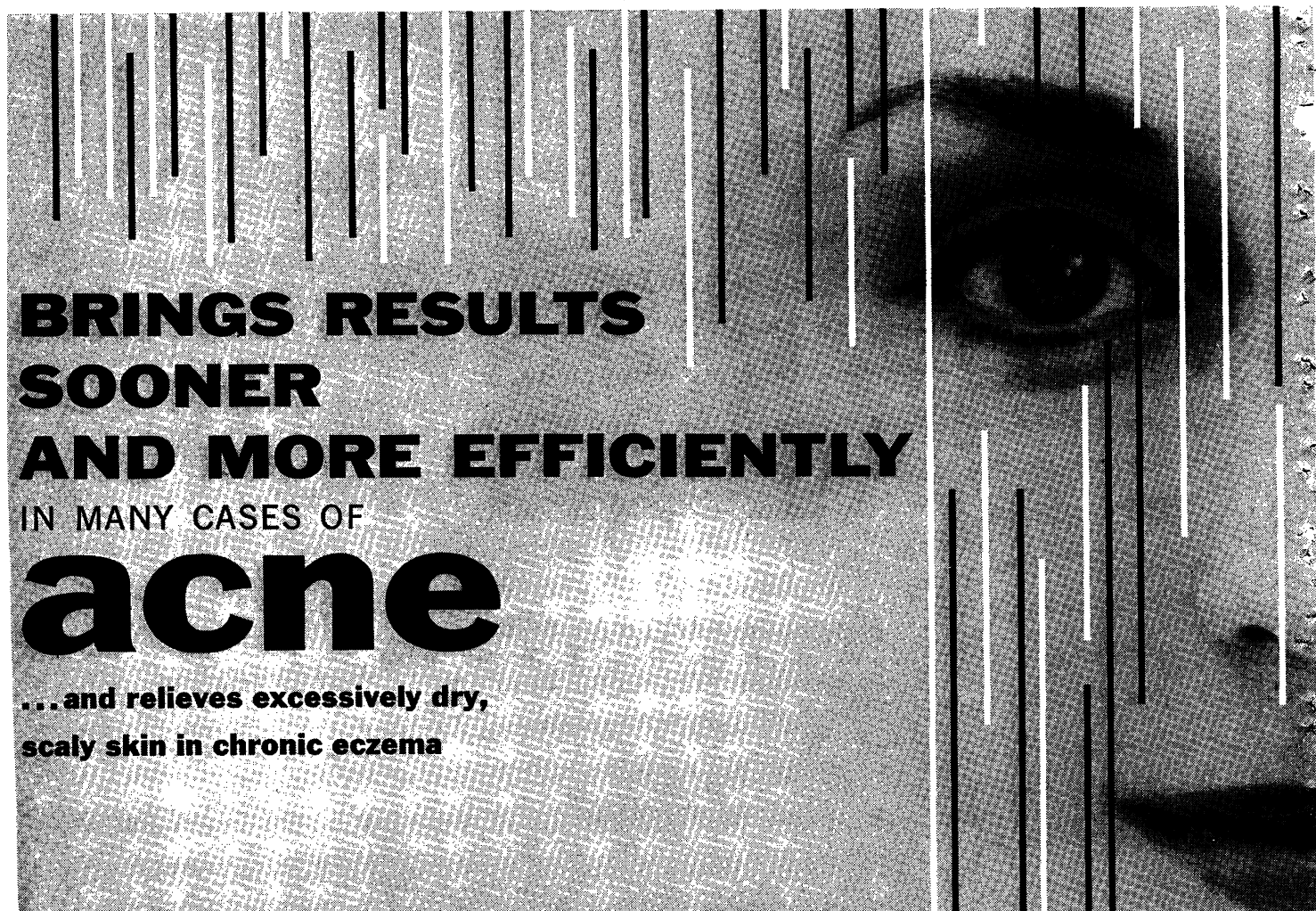
The condition was corrected by enclosing the dilated part of the blood vessel in a plastic jacket which both constricts the area somewhat and also prevents further expansion, Edwin M. Todd, M.D.; C. Hunter Sheldon, M.D.; Benjamin L. Crue, Jr., M.D.; Robert H. Pudenz, M.D., and William F. Agnew, M.S., Pasadena, Calif., reported.

The bulging blood vessel, technically termed intracranial aneurysm, exerts pressure on surrounding tissues and nerves which can produce pain and paralysis. If this blood-filled bulge ruptures, a fatal hemorrhage may occur.

**BRINGS RESULTS  
SOONER  
AND MORE EFFICIENTLY**  
IN MANY CASES OF

**acne**

**...and relieves excessively dry,  
scaly skin in chronic eczema**



The plastic coating technique was designed for only the more complicated of these conditions which cannot be corrected by tying off the circulation to the affected area, the authors explained. Although no adverse reactions to the implanted plastic have been encountered, they said, further study is necessary before the real value of the technique can be determined.

The plastic employed is a rapid-hardening silicone rubber which is resistant to moisture and oxidation, they said. It can be prepared and applied easily and molded precisely, they said. Although tough enough to contain the dilated area, they said, the plastic is sufficiently elastic to permit unimpeded flow of blood.

The authors described three cases in which the patients, who had been incapacitated, showed improvement after the plastic jacket operation.

A 52-year-old woman returned to a normal life six months after the operation, a 40-year-old woman resumed teaching within two months after her operation, and the third patient, a woman, 61, is able to perform limited household chores and is continuing to improve, they said.

The researchers are affiliated with the Institute of Medical Research and the Department of Neurosurgery, Collis P. and Howard Huntington Memorial Hospital.

## M.D. Lobby to Fight Air Pollution Urged

The medical profession was urged recently to "constitute itself a lobby against air pollution" in the same way it lobbied successfully for the prevention of tuberculosis in the 1920's and 1930's.

"A wholehearted and persistent effort to prevent air pollution can have equal success," Drs. Seymour M. Farber and Roger H. L. Wilson, San Francisco, said in the May 5 *Journal of the American Medical Association*.

Air pollution plays an important role in the development of not only lung cancer, but also many other chronic respiratory diseases, they said.

A great many of the malignant, chronic and degenerative diseases are now known to originate in the environment of the individual just as surely as tuberculosis originates in exposure to tubercle bacilli, they said.

The central problem which must dominate research in medicine in the foreseeable future is the relationship of environment to health, they said, and the most acute environmental problem is the relationship between air contamination and respiratory disease.

"One of the most important problems in medicine today is the low-level but chronic poisoning of our atmosphere by dozens of chemical processes characteristic of an advancing civilization, a poisoning

(Continued on Page 72)



# aquasol A

capsules

the original aqueous, natural vitamin A capsules

Samples and literature upon request.

**u. s. vitamin & pharmaceutical corporation**

Arlington-Funk Laboratories, division

New York 17, N. Y.

**faster, more complete absorption** because microscopic aqueous vitamin A particles pass through intestinal barrier more readily...

**more effective** because aqueous, natural vitamin A produces higher blood levels faster, and may diffuse more readily into affected tissues.

**good tolerance** because "burping" and allergenic factors have been removed.

for more dependable faster results Rx Aquasol A capsules... whenever vitamin A is indicated in

**acne • dry skin • chronic eczemas • metaplasia of the mucous membranes • follicular hyperkeratosis • night blindness • lowered resistance to infections**

three separate high potencies (water-solubilized natural vitamin A) per capsule:

**25,000 U.S.P. units**

**50,000 U.S.P. units**

**100,000 U.S.P. units**

Bottles of 100, 500 and 1000 capsules.

When vitamin A in high dosage is given for a prolonged period, it is advisable that treatment be interrupted at intervals to avoid possible hypervitaminosis.

## Partially Hydrogenated Fats And Cholesterol Studied

Some partially hydrogenated vegetable oils widely consumed in the American diet have been shown to create blood cholesterol responses equivalent to unhydrogenated vegetable oil, it was reported in the May 5 *Journal of the American Medical Association*.

Fats and oils contain varying amounts of saturated, polyunsaturated and monounsaturated fatty acids. A saturated fatty acid is one containing all the hydrogen atoms it can hold. A polyunsaturated fatty acid has more than one unsaturated bond in its chemical makeup, and a monounsaturated has just one unsaturated bond.

When a fat or oil is hydrogenated, i.e., combined with hydrogen, the number of unsaturated bonds are reduced, and this usually means some reduction in the polyunsaturated content.

However, a study reported in the *Journal* indicated that dietary fats containing 25 per cent or less saturated fatty acids and a polyunsaturated to saturated ratio greater than 0.5 created blood cholesterol responses equivalent to unhydrogenated cottonseed oil.

The study was conducted among 36 male inmates Philadelphia County Prison at Holmesburg, Pa., Don E. McOsker, Ph.D., Fred H. Mattson, Ph.D., Bruce Sweringen, B.Ch.E., Miami Valley Laboratories of The Procter and Gamble Company,

Cincinnati, and Albert M. Kligman, M.D., University of Pennsylvania Medical School, Philadelphia.

Seven different dietary fats with saturated fatty acid content ranging from 14 to 64 per cent were studied. The fats were included in a liquid formula diet with egg white, dextrose, salt and water.

The fats with the highest percentage of saturated fatty acids were unsalted butterfat (64 per cent saturated) and a blend of animal and vegetable fats present in the average American diet (40 per cent saturated).

Butterfat produced significantly higher cholesterol levels than all of the other fats, the four researchers reported.

The blend representing the average American diet produced a cholesterol level significantly higher than that obtained with four partially hydrogenated fats and oils containing 25 per cent or less of saturated fatty acids, they said.

In conclusion, the group said it appears that partially hydrogenated vegetable fats are no different from unhydrogenated fats in their effect on blood cholesterol level. However, they added, it might be expected that consumption of a fat that had been more extensively hydrogenated than those used in the study would result in an elevation of blood cholesterol.

It is believed by some medical authorities that cholesterol is a causal factor in hardening of the arteries and heart disease.

## MORE URINE

## INCREASED WEIGHT LOSS

Naturetin has greater diuretic action<sup>1-3</sup> than either chlorothiazide or hydrochlorothiazide. A trial with Naturetin demonstrates the increased urine volume and the greater weight loss it provides.

Moreover, the diuretic effect of Naturetin is controlled, sustained and gradual, a sharp contrast to the distressingly abrupt initial diuresis characteristic of shorter acting diuretics. Naturetin maintains a favorable urinary sodium-potassium excretion ratio.<sup>2</sup>

**AVAILABLE:** Naturetin 5 mg. and 2.5 mg. tablets. **ALSO AVAILABLE:** Naturetin  $\bar{c}$  K (Squibb Bendroflumethiazide 5 mg. and 2.5 mg. capsule-shaped tablets, each with 500 mg. Potassium Chloride), for use when disease or concomitant therapy increases the risk of hypokalemia. For full information, see your Squibb Product Reference or Product Brief.

1. Ford, R. V.: Clin. Res. Notes 2:1 (Dec.) 1959. 2. Ford, R. V.: Cur. Therap. Res. 2:92 (Mar.) 1960. 3. Elliott, J. P., Jr., and Goldman, A. M.: South. M.J. 54:794 (July) 1961.

## Naturetin—the diuretic with specific difference

SQUIBB BENDROFLUMETHIAZIDE

**SQUIBB**



*Squibb Quality—the Priceless Ingredient*

SQUIBB DIVISION **Olin**

**For Senior Patients**

**THE  
NUTRITIVE  
MALT TONIC**  
Borchardt's



**MALTSUPEX®**

(MALT SOUP EXTRACT)

**HELPS  
"REGULATE  
THE BOWELS"\***

**SAFE • DEPENDABLE  
DIETARY**

"A laxative effect will be noted as the stool pH approaches 6 . . . This natural laxative effect is apparently due solely to the restoration of the lactobacillus group fecal bacterial flora. Bowel movements then become regular without further medication."  
Roddin, J.: Med. Times, July 1961

**"Promotes  
Aciduric  
Intestinal  
Flora"**

**"Softens  
Hard  
Dry  
Stools"**

"Stools became soft in all patients, and, within one week, bowel evacuations were accomplished with ease. Most patients liked the taste of the product, and the majority of them reported a feeling of well-being."

Hootnick, H. J.: J. Am. Ger. Soc., 4:1021-1030, 1956

\*  
"Acts as a tonic besides the fact that it will regulate their bowels."  
Marshall, W.: S. D. J. Med. & Pharm., 8:151-153, 1955

**"ACTS  
AS A  
TONIC"**

**AVAILABLE**

In liquid and powder forms,  
8 and 16 ounce bottles, at pharmacies.

**MALTSUPEX®** is a richly nutritive, natural food concentrate made from choice malted barley.

**DOSE:** 2 tablespoonfuls twice a day. Reduce as condition improves. Powder dissolves fast; use heaping measures.

Send for Samples and Literature

**BORCHERDT CO.**

217 N. Wolcott Ave.

Chicago 12, Illinois

**M.D. Lobby to Fight Air Pollution Urged**

(Continued from Page 57)

which has its effect only over the course of many years, but which nonetheless inexorably cripples and kills," the two physicians said.

Although a connection between air pollution and noncancerous lung diseases can only be used tentatively, they said, "The connection between air pollution and cancer of the respiratory system is as sure as statistical studies can make it."

Studies from all parts of the world confirm that air pollution plays a substantial role in causing cancer, they said.

However, they said, "we are hardly in a good hold of understanding the air we breathe."

Statistical correlations are lacking between specific pollutants and the incidence of noncancerous lung ailments, they said, and while the abundance of evidence that a number of pollutants found in polluted air cause cancer in animals, much experimental work remains to be done before any real understanding of the relationship between lung cancer and air pollution is attained.

Although present knowledge is crucial to a satisfactory, they concluded, it is known that air pollution is a hazard to health and this knowledge should be applied to the elimination of air pollution to the maximum possible degree.

**RALEIGH HILLS  
HOSPITAL\***

Member of the American Hospital Association  
Recognized by the American Medical Association

**EXCLUSIVELY for the TREATMENT of  
ALCOHOL ADDICTION**  
by Conditioned Reflex and Adjuvant Methods

**MEDICAL STAFF:**

John R. Montague, M.D. Merle M. Kurtz, M.D.  
Norris H. Perkins, M.D.  
John W. Evans, M.D., Consulting Psychiatrist

**ADMINISTRATORS:**

Larrea A. Haydon Jean B. Tanner

**RALEIGH HILLS HOSPITAL**

6050 S.W. Old Schools Ferry Road

Portland 7, Oregon

Mailing Address: P. O. Box 366

Telephone: CYPRESS 2-2641

\*FORMERLY RALEIGH HILLS SANITARIUM, INC.